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Bulletin 592

March, 1955

REPORT ON INSPECTION

**COMMERCIAL FEEDING STUFFS**

**1954**

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H. J. FISHER

Chief Chemist

THE CONNECTICUT AGRICULTURAL EXPERIMENT  
STATION, NEW HAVEN, CONNECTICUT



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# COMMERCIAL FEEDING STUFFS

## REPORT ON INSPECTION

1954

H. J. FISHER<sup>1</sup>

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### THE FEED LAW

The statute relating to concentrated commercial feeding stuffs (Chapter 320, General Statutes, Revision of 1949) imposes upon the Station (1) all duties incidental to the annual registration of feeds offered for sale in the State; (2) the collection of samples for inspection and analysis; (3) the examination of all samples so collected; (4) the preparation and publication of a bulletin summarizing the results of inspection and giving other pertinent information; and (5) joint responsibility with the Food and Drug Commissioner for rules and regulations carrying out the provisions of the law.

The enforcement provisions of the statute are delegated to the Food and Drug Commissioner.

The following regulations were issued by the Director of this Station and the Food and Drug Commissioner in February, 1949:

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### REGULATIONS

#### REGULATION 1. FEEDS NOT CLASSIFIED AS CONCENTRATED COMMERCIAL FEEDING STUFFS (Sec. 6740)

It is held that the law exempts from classification as concentrated commercial feeding stuffs, and therefore from registration: (1) roughages such as hays, straws, corn stover and ensilage; (2) whole grains and mixtures thereof; (3) meals made from whole grains when not mixed with other materials or with each other; (4) feed ground from whole grain and sold by the manufacturer directly to the consumer; and (5) feed mixed according to a formula furnished by the consumer, for his own use.

Under clause (2), above, registration will not be required for mixtures in which the ingredients, excepting corn, are whole grains. Corn, if present, may be whole or cracked.

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<sup>1</sup>Analyses are by Mr. O. L. Nolan, Miss Helen Kocaba, Mrs. Gillian Rose and Mrs. Norma Spencer; biological assays under direction of Dr. R. B. Hubbell and Dr. Lester Hankin; microscopic examinations by Miss Janetha Shepard; and sampling by Mr. Richard Nichols. Compilations are by Miss Evelyn Caputo and Miss Eleanor Hopcraft.

Clause (4) refers to feed ground from materials furnished by the consumer.

Under clause (5) feed is regarded as "mixed to order" and must be so tagged together with the name of the customer for whom it is mixed, or otherwise identified to distinguish it from regular brands offered for general sale. Such feed must be sold only to the customer for whom it was mixed; if sold to others it becomes a regular brand and subject to registration and other provisions pertaining to feeds in general.

## REGULATION 2. METHOD OF LABELLING (Sec. 6741)

All concentrated commercial feeding stuffs, other than vitamin D carriers, must be labelled either by a statement printed on the bag or upon a properly attached tag; in the case of concentrated feeding stuff sold in bulk, a certificate which shall contain the information otherwise required to appear upon the bag or upon the tag, may be issued by the dealer in lieu thereof.

The use of wire or any metal in affixing tags is prohibited by law.

The law requires a statement of (1) the net weight of the feed contained in the package; (2) the name, brand or trademark, under which the feed is sold; (3) name and address of the manufacturer or importer; (4) the minimum percentages of (a) crude protein and (b) crude fat, and the maximum percentage of (c) crude fiber contained in the feed; (5) the separate ingredients of which the feed is composed.

While the law requires only a statement of the items enumerated above, no objection will be raised to more complete statements of chemical composition or formula.

## REGULATION 3. CONCERNING VITAMIN D CARRIERS

Vitamin D carriers are required to be registered in the same manner and under the same conditions as obtain for feeds in general.

Information to be given on labels and in applications for registrations is (1) name of product; (2) vitamin D potency in terms of A. O. A. C. chick units per gram; (3) name and address of manufacturer, distributor or other person responsible for the product; and (4) on the label, a statement of net weight or volume.

The A. O. A. C. chick unit is the vitamin D activity produced by one U. S. Pharmacopoeia unit of vitamin D from the U.S.P. "Reference Cod Liver Oil", determined by the method of assay adopted by the Association of Official Agricultural Chemists.

## REGULATION 4. CONCERNING COTTONSEED MEAL, ETC.

Cottonseed meal, linseed meal, soybean meal, and other vegetable feeds that are sold as fertilizer, are required to be registered under the provisions of the fertilizer law in addition to registration as feeds. If

sold exclusively for one or the other of these purposes, the articles may be registered only under the law which applies.

For such of these articles as are used for fertilizer purposes chiefly or entirely as sources of nitrogen, only nitrogen (or protein) need be declared in the application for registration as fertilizer; and the tags or labels generally attached to such articles when intended for feeding purposes will be acceptable for them when sold as fertilizer.

REGULATION 5. DUTIES OF MANUFACTURERS, JOBBERS AND  
DEALERS WITH REFERENCE TO REGISTRATION

(Sec. 6742)

All concentrated commercial feeding stuffs, including vitamin D carriers, must be registered with The Connecticut Agricultural Experiment Station annually on January 1, or before they are offered for sale. Registration blank forms are supplied by the Station.

Manufacturers, jobbers or individuals shipping feeds into Connecticut will be expected to register their brands and pay the necessary fees thereon. *Connecticut dealers should assure themselves that the brands they handle are properly registered and labelled. In case the manufacturer or jobber outside the State neglects or refuses to register, the dealer who handles such feeds will be held responsible for such registrations, registration fees and other legal requirements.*

Dealers within the State who mix their own brands are responsible for the registration and proper labelling thereof.

REGULATION 6. DEFINITIONS OF TERMS USED IN THE LAW  
AND OF OTHER TERMS

*Person.* The term "person" imports the singular or the plural as the case demands; and includes corporations, companies, societies and associations.

*Importer.* The term "importer" is defined in the act.

*Brand.* It is held that a distinct brand name, or a distinct analysis, constitutes a distinct brand.

*Definitions for Feeding Stuffs.* The definitions and standards for feeding stuffs adopted from time to time by the Association of American Feed Control Officials are accepted as official in carrying out the provisions of this law; and the rules and regulations as adopted by that association are accepted as far as possible and when not inconsistent with the Connecticut Statutes.

REGULATION 7. METHODS OF ANALYSIS

(Sec. 6741)

The methods of analysis employed shall be those prescribed by the Association of Official Agricultural Chemists, wherever such methods have been adopted for the determinations desired.

REGULATION 8. CONCERNING MEDICATED FEEDS AND MINERAL  
MIXTURES

The law does not include medicated products used as "conditioners" for stock and poultry, and which consist essentially of substances possessing, or claimed to possess, medicinal or condimental properties; nor does it include products consisting of supplemental minerals.

REGULATION 9. FEEDS IN DIFFERENT PHYSICAL FORMS

The same feed offered in different physical forms, e. g., mash and pellets, requires but one registration.

REGULATION 10. REVISIONS AND SUBSTITUTIONS  
OF REGISTRATIONS

A feed registration after being filed may be revised without payment of an extra registration fee.

A brand of feed duly registered and subsequently discontinued may be replaced by another brand for the unexpired period of registration without payment of an extra registration fee.



**REGISTRATIONS**

For the period January 1, 1954, to December 31, 1954, 217 firms registered 1,376 brands of feeding stuffs, and 19 firms registered 45 brands of vitamin D carriers.

As required by statute the registrations are listed as follows:

**Ackerman-Beardsley-Bennett, Inc., Chamber of Commerce Bldg., P. O. Box 1087,  
Albany 1, New York**

Bran (*Mfr'd. by Dutton Flour Mills, Dutton, Ontario, Canada*)  
Corn Distillers Dried Grain

**Acme-Evans Co., Inc., 902 W. Washington Ave., Indianapolis 9, Ind.**

Acme Hominy  
Acme Wheat Bran

**Adams Packing Association, Inc., Auburndale, Fla.**

Adams Dried Citrus Pulp

**Albers Milling Co., 6130 Avalon Blvd., Los Angeles, Calif.**

Calf Manna  
Suckle

**Allied Chemical & Dye Corp., (Nitrogen Division), 40 Rector St., New York 6, N.Y.**

"Arcadian" Urea Feed Mixture

**Allied Mills, Inc., 3400 Bd. of Trade Bldg., Chicago, Ill.**

June Pasture  
Sugarine 16% Dairy  
Wayne Breeder Mash  
Wayne Calf Starter  
Wayne Calf Supplement  
Wayne Calfnip  
Wayne Chick Feed  
Wayne 16% Dairy  
Wayne 20% Dairy  
Wayne 24% Dairy  
Wayne Dairy Mixer  
Wayne 42% Dairy Mixing Supplement  
Wayne 26% Egg and Breeder  
Wayne Egg Mash  
Wayne Fattening Pellets  
Wayne Fitting Ration  
Wayne Growing Mash  
Wayne Horse Feed  
Wayne Mash Layer  
Wayne 16% Milk Producer  
Wayne Mink Meal  
Wayne Pork Maker  
Wayne Rabbit Ration  
Wayne Ranch Meal  
Wayne Tail Curler  
Wayne Test Cow Ration  
Wayne Turkey Fitting Ration  
Wayne Turkey Growing Mash

**Allied Mills, Inc., 3400 Bd. of Trade Bldg., Chicago, Ill.—Cont.**

Wayne Universal Breeder (An All Mash Feed)  
Wayne Universal Dairy Feed  
Wayne Universal Egg (An all mash Feed)  
Wayne Universal Grower (An all mash Feed)  
Wayne Universal Turkey Breeder Mash  
Wayne Universal Turkey Grower

**Almonte Flour Mills Ltd., Ontario, Canada**

“Shorts”

**The Amburgo Co., Inc., Philadelphia, Penna. (*See Fishel Products Co.*)****American Crystal Sugar Company, 600 Boston Building, Denver, Colo.**

Molasses Dried Beet Pulp  
Plain Dried Beet Pulp

**American Maize Products Co., 100 East 42nd St., New York, N. Y.**

Amaizo Corn Oil Meal  
Amaizo Gluten Meal  
Cream of Corn

**Anheuser-Busch, Inc., 721 Pestalozzi St., St. Louis, Mo.**

Anheuser-Busch Brand Corn Gluten Feed (Bulk)  
Budweiser Brewer's Dried Grains

**Archer-Daniels-Midland Co., 600 Roanoke Bldg., Minneapolis 2, Minn.**

Archer Quality 34% Protein Solvent Extracted Linseed Oil Meal  
Archer Quality 36% Protein Solvent Extracted Linseed Oil Meal  
Archer Quality 44% Protein Solvent Extracted Soybean Oil Meal

**Ashcraft-Wilkinson Co., 601 Trust Co. of Ga. Bldg., Atlanta, Ga.**

Sweet Suni-Citrus Pulp (*Mfr'd. by The Suni-Citrus Products Co., Haines City, Fla.*)

**B and W Canning Co., Groveland, Lake County, Fla.**

“B'n' W”

**The Beacon Milling Co., Inc., Cayuga, N. Y.**

Auburn “14”  
Auburn “16”  
Auburn “20”  
Beacon “16”  
Beacon “20”  
Beacon Balancer Pellets  
Beacon Breeder All-Mash  
Beacon Breeders Mash  
Beacon Broiler Finisher  
Beacon Calf Grain  
Beacon Calf Starter  
Beacon Chick Grains  
Beacon Complete Rabbit Pellets  
Beacon Complete Starter

**The Beacon Milling Co., Inc., Cayuga, N. Y.—Cont.**

Beacon Creep Feed  
 Beacon Dairy Fitting  
 Beacon Duck Breeder  
 Beacon Duck Finisher  
 Beacon Duck Grower  
 Beacon Duck Starter  
 Beacon "22" Egg Mash  
 Beacon "24" for Mixing with Home Grains  
 Beacon "32" for Mixing with Home Grains  
 Beacon Goat Ration  
 Beacon Grower All-Mash  
 Beacon "18" Growing Mash  
 Beacon Hog Supplement  
 Beacon Horse Feed  
 Beacon Market Egg All-Mash  
 Beacon Pig Grower  
 Beacon Pig Starter  
 Beacon Poultry Fitting  
 Beacon Sow Feed  
 Beacon Special Crate Fattener  
 Beacon Starter Broiler  
 Beacon Steer Fattener  
 Beacon Steer Supplement  
 Beacon "14" Test Cow Ration  
 Beacon "18" Test Cow Ration  
 Beacon Turkey & Game Bird Breeder  
 Beacon Turkey & Game Bird Fitting  
 Beacon Turkey & Game Bird Grower  
 Beacon Turkey & Game Bird Starter  
 Beacon Turkey Finisher All-Mash  
 Beacon Turkey Grower All-Mash  
 Beacon "15" with Pellets  
 Be-Co-Lass

**The Berkman Grain Co., No. Franklin, Conn.**

Nibco Crate Fattener  
 Nibco 18% Dairy Ration  
 Nibco Fitting Ration  
 Nibco Five Star Broiler Mash  
 Nibco High Energy Breeder Mash  
 Nibco High Energy Growing Mash  
 Nibco High Energy Laying Mash  
 Nibco Laying Mash  
 Nibco Nine Week Broiler Mash  
 Nibco Scratch Feed

**Birdwood Products Co., North Platte, Neb.**

17% Dehydrated Alfalfa Meal or Pellets

**Blatchford Calf Meal Co., Waukegan, Ill.**

Blatchford's Calfadine  
 Blatchford's Calf-Pab  
 Blatchford's Pablets  
 Blatchford's Rabbit Pellets

**The Borden Co. — Special Products Div., 350 Madison Ave., New York 17, N. Y.**

(See also *Vitamin D Carriers*)

Borden's Ration-Ayd for Poultry Mash



**The Borden Co.—Special Products Div., 350 Madison Ave., New York 17, N. Y.—Cont.**

Borden's Vampros Accessory Feed for Poultry  
Bospro Vitamin A and D Supplement  
Ration-Ayd for Hogs, A Mixer's Ingredient for Fortifying Pig & Hog Feeds

**Borden's Soy Processing Co., Div. of the Borden Co., Kankakee, Ill.**

Borden's 44% Protein Solvent Extracted Soybean Oilmeal

**Bosco & Bower, Ltd., Board of Trade Bldg., 300 St. Sacrement St., Montreal, Canada**

Phenix Pure Wheat Bran (*Mfr'd. by Phenix Milling Co., Ltd., Galt, Ontario, Canada*)  
Phenix Wheat Shorts (*Mfr'd. by Phenix Milling Co., Ltd., Galt, Ontario, Canada*)

**Bremco Alfalfa Mills, Inc., New Bremen, Ohio**

Medogreen Alfalfa Meal

**C. W. Brister & Son, Auburn, N. Y.**

Prize Mixed Feed

**L. Broder & Co., Inc., Colchester, Conn.**

L. B. 16% Dairy Ration

**Brooklawn Grain & Feed Co., 321 Sylvan Ave., Bridgeport, Conn.**

Brooklawn 16% Dairy Ration  
Brooklawn Egg Mash  
Brooklawn Starter-Broiler  
Brooklawn Sweet Mix

**Brown-Forman Distillers Corp., 1908 Howard St., Louisville, Ky.**

Brown-Forman Corn Distillers Dried Grains  
Brown-Forman Corn Distillers Solubles

**The Buckeye Cotton Oil Co., Cincinnati, Ohio**

Buckeye 36% Protein Cottonseed Meal, Prime Quality  
Buckeye 41% Protein Cottonseed Meal, Prime Quality  
Buckeye 41% Protein Solvent Extracted Cottonseed Meal  
Buckeye 44% Protein Solvent Extracted Soybean Oil Meal

**Camden Grain Co., 1709 Kossuth St., Camden, N. J.**

Camden Brand Dried Brewers Grain

**Camp Milling Co., Inc., Walton, N. Y.**

Hurlburt's Empire Complete Rabbit Pellets

**The C. W. Campbell Co., 27 W. Broad St., Westerly, R. I.**

Best Pig & Hog Ration  
Caldwell's Choice 41% Protein Cottonseed Meal (*Mfr'd. by Caldwell & Co., Madison, Ga.*)  
Camco Horse Feed  
14% Dairy Ration  
16% Dairy Ration  
16% Dairy Ration — Coarse  
Economical Stock Feed

**The C. W. Campbell Co., 27 W. Broad St., Westerly, R. I.—Cont.**

Egg-O Chick Starter & Broiler Ration  
 Egg-O Complete Layer  
 Egg-O Grower  
 Egg-O Laying Mash  
 Egg-O Special Broiler  
 Egg-O 22% Turkey Finisher  
 Egg-O Turkey Grower  
 Egg-O Turkey Starter  
 12% Fitting Ration  
 Sheep and Goat Feed

**Canada Linseed Oil Mills, Ltd., 2215 Notre Dame St., East Montreal 24, Quebec, Canada**

"Maple Leaf Brand" Pure Linseed Oilcake Meal 35% Protein

**The Canada Starch Co., Ltd., 1940 Sun Life Bldg., Montreal, Quebec, Canada**  
 Edwardsburg Corn Gluten Feed

**The A. B. Caple Co., Toledo, Ohio**

Alfalfa Stem Meal

**Cargill, Inc., 200 Grain Exch., Minneapolis, Minn.**

Cargill, Inc. 34% Protein Solvent Extracted Linseed Oil Meal  
 Cargill, Inc. 44% Protein Solvent Extracted Soybean Oil Meal

**Caro-Green, Inc., 2463 So. 27 Ave., Omaha, Neb.**

Caro-Green Granules '56  
 Caro-Green Leaf Granules

**Central Conn. Co-operative Farmers' Ass'n., Inc., Manchester, Conn.**

Honest Brand Breeder Mash  
 Honest Brand Complete High Energy Growing Mash  
 Honest Brand Complete Ration High Energy Laying Mash  
 Honest Brand 16% Dairy  
 Honest Brand Growing Mash  
 Honest Brand Laying Mash  
 Nu Weigh Hi Broiler Mash  
 Nu Weigh Hi Broiler Finisher Mash  
 Nu Weigh Hi Starter Mash

**Central Soya Co., Inc., 300 Ft. Wayne Bank Bldg., Ft. Wayne 2, Ind.**

Central 4-44 (4% Fat—44% Protein) Soybean Oil Meal  
 Central Star 44% Solvent Extracted Soybean Oil Meal

**S. J. Cherry & Sons, Ltd., Preston, Ontario, Canada**

Wheat Bran  
 Wheat Shorts

**Citrus Feed Co., P.O. Box 513, Lakeland, Fla.**

Ace High All Sweet Dried Citrus Pulp  
 Florida Crest All Sweet Dried Citrus Pulp

**Clinton Foods Inc., Clinton, Iowa**

Clinton Corn Gluten Feed  
 Clinton Corn Gluten Meal  
 Clinton Sweetened Corn Gluten Feed

**Clinton Foods, Inc., Florida Products Div., Auburndale, Fla.**

McDonald Brand Dried Citrus Pulp  
Maxcy Feeds Dried Citrus Pulp

**Herbert K. Clofine, Inc., 612 Bulletin Bldg., Philadelphia, Pa.**

Supreme Brand Condensed Buttermilk

**Clyde Milling Corp., 15 Sodus St., Clyde, N. Y.**

Clyde 16 Dairy Ration  
Clyde Dry & Freshening Ration with Pellets  
Clyde Horse Feed  
Clyde M-B-F (Meat Bird Finisher)  
Clyde Milky-Las 15 Dairy Ration  
Clyde Spec. Complete Growing Mash  
Clyde 16 Test Cow Ration (with Pellets)  
Clyde Turkey Grower  
Cottonseed Oil Meal  
Dried Apple Pomace  
New England 16 Dairy Ration  
Warren's Dairy Fitting Ration (*Mfr'd. for William S. Warren & Son, Eastford, Conn.*)  
Warren's 16 Dairy Ration (*Mfr'd. for William S. Warren & Son, Eastford, Conn.*)

**Coatsworth and Cooper, Ltd., 67 Yonge St., Toronto, Ontario, Canada**

"C and C" Wheat Bran  
"C and C" Wheat Shorts

**Cocke & Company, 208 William-Oliver Bldg., Atlanta 3, Ga.**

Cocke-Sure Brand 41% Cottonseed Meal

**Commercial Solvents Corp., 1331 So. First St., Terre Haute, Ind.**

B.Y.-21 Dried Grain & Skimmed Milk Fermentation Solubles  
B.Y.-500 Dried Grain and Cane Syrup Fermentation Solubles  
Corn Distillers Dried Grains  
Corn Distillers Dried Solubles

**Community Service, Inc., Canaan, Conn.**

Community Complete Pig Feed  
Community 16% Dairy Ration  
Community 18% Dairy Ration  
Community 20% Dairy Ration  
Community Fitting Ration  
Community Growing Mash  
Community Laying Mash  
Community Starter & Grower Mash

**The Connecticut Grains Corp., Crosby St., Lowell, Mass.**

Superior Brand Dried Brewers Grain

**Consolidated Fisheries Co., Lewes, Del.**

Consolidated Fish Meal "SQUANTO BRAND"

**Consolidated Products Company, Danville, Ill.**

(*See also Vitamin D Carriers*)

Consolidated's Dried Whole Whey  
New "E" Emulsion—Self Feeding  
New Kaff-A  
New Semi Solid "E" Emulsion  
Pex Condensed Whey—50% Solids

**Consolidated Rendering Co., 178 Atlantic Ave., Boston, Mass.**

Corenco Feeding Bone Meal  
Corenco Fish Meal  
45% Corenco Meat & Bone Scrap  
47% Corenco Meat & Bone Scrap  
50% Corenco Meat & Bone Scrap

**Continental Distilling Corp., 1429 Walnut St., Philadelphia, Pa.**

Dried Corn Distillers Solubles

**Copeland Flour Mills, Ltd., Midland, Ontario, Canada**

Dandy Wheat Bran  
Dandy Wheat Shorts

**Corn Products Refining Co., 17 Battery Place, New York, N. Y.**

Buffalo Brand Corn Gluten Feed  
Buffalo Brand Corn Gluten Feed Sweetened  
Diamond Brand Corn Gluten Meal

**C. A. Cowles, Inc., Summer St., Plantsville, Conn.**

Blue C Feed Complete Growing Mash  
Blue C Feed Complete Laying Mash  
Blue C Feed 16% Dairy Ration  
Blue C Feed 20% Dairy Ration  
Blue C Feed Fitting Ration  
Blue C Feed Growing Mash  
Blue C Feed Hog & Pig Feed  
Blue C Feed Laying Mash  
Blue C Feed Plantsville Dairy Ration  
Blue C Feed Rabbit Pellets  
Blue C Feed Sheep & Goat Ration  
Blue C Feed Starting Mash  
Blue C Feed Super 16% Coarse Dairy Ration  
Blue C Feed Super 16% Dairy Ration  
Blue C Feed Turkey Finishing Mash  
Blue C Feed Turkey Growing Mash  
Blue C Horse Feed with Molasses  
Blue C Special Starter & Broiler Feed  
C. A. Cowles Inc. Turkey Starting Mash  
Elco Laying Mash  
High-Energy Elco Complete Lay  
Red C Feed 16% Dairy Ration  
Red C Feed Fitting Ration  
Red C Feed Laying Mash  
Red C Feed Starting & Growing Mash

**Chas. M. Cox Co., 177 Milk Street, Boston, Mass.**

Wirthmore Baby Chick Scratch  
Wirthmore Breeder Mash (Pellets)  
Wirthmore 38% Broiler Concentrate  
Wirthmore Calf Starter Meal  
Wirthmore Calving Ration  
Wirthmore Challenger Coarse 12  
Wirthmore Challenger Coarse 14  
Wirthmore Challenger Coarse 16  
Wirthmore Challenger 16 Dairy  
Wirthmore Challenger 20 Dairy  
Wirthmore Coarse Test Ration (Pellets)  
Wirthmore Complete Breeder Ration (Pellets)  
Wirthmore Complete Chick Starter



**Chas. M. Cox Co., 177 Milk Street, Boston, Mass.—Cont.**

Wirthmore Complete Egg Ration (Pellets)  
 Wirthmore Complete Growing Ration (Pellets)  
 Wirthmore Complete Turkey Breeder Ration (Pellets)  
 Wirthmore 16% Dairy Ration  
 Wirthmore 20% Dairy Ration  
 Wirthmore 32% Dairy Supplement  
 Wirthmore Fattening Pellets  
 Wirthmore 14 Fitting Ration (Pellets)  
 Wirthmore Fodder Greens  
 Wirthmore Game Bird Starter (Pellets)  
 Wirthmore Growing Mash (Pellets)  
 Wirthmore Hi-Ener-G Breeder (Pellets)  
 Wirthmore Hi-Ener-G Grower (Pellets)  
 Wirthmore Hi-Ener-G Layer (Pellets)  
 Wirthmore Hog Grower  
 Wirthmore Horse Feed  
 Wirthmore Improved Hi-Ener-G Starter & Broiler Ration (Pellets, Crumbled)  
 Wirthmore Intermediate Scratch  
 Wirthmore Laying Mash (Pellets)  
 Wirthmore Mornin' Call Scratch  
 Wirthmore Pig & Sow Feed (Pellets)  
 Wirthmore 32% Poultry Concentrate  
 Wirthmore Poultry Fitting Ration  
 Wirthmore Poultry Flush  
 Wirthmore Producer 16 Dairy  
 Wirthmore Rabbit Pellets  
 Wirthmore 16 Record Ration (Pellets)  
 Wirthmore 18 Record Ration  
 Wirthmore Scratch Feed  
 Wirthmore Sheep & Goat Ration  
 Wirthmore Special Scratch with Cracked Corn  
 Wirthmore Special Scratch with Whole Corn  
 Wirthmore Station Feed  
 Wirthmore Stock Feed  
 Wirthmore Super Pellets  
 Wirthmore Turkey Breeder Ration (Pellets)  
 Wirthmore Turkey Fattening Ration (Pellets)  
 Wirthmore Turkey Growing Ration (Pellets)  
 Wirthmore Turkey Starter Ration (Pellets, Crumbled)  
 Wirthmore Twin-Mix Calf Ration  
 Double Diamond Baby Chick Grains (*Mfr'd. by Dailey Mills, Inc., Olean, N.Y.*)  
 Double Diamond Pig & Hog (*Mfr'd. by Dailey Mills, Inc., Olean, N.Y.*)  
 Maple Leaf Shorts (*Mfr'd. by Maple Leaf Milling Co., Toronto, Ontario, Canada*)  
 Rex Wheat Bran (*Mfr'd. by Maple Leaf Milling Co., Toronto, Ontario, Canada*)  
 Rex Wheat Middlings (*Mfr'd. by Maple Leaf Milling Co., Toronto, Ontario, Canada*)

**Crawford Brothers, Inc., 109 Delaware St., Walton, N. Y.**

Calf Starter Ration  
 Complete Chick Starter Mash or Pellets  
 Complete Egg Mash or Pellets  
 Complete Growing Mash or Pellets  
 16% Dairy Ration  
 18% Dairy Ration  
 20% Dairy Ration  
 32% Dairy Supplement  
 14% Dry & Freshening  
 14% Fitting Ration  
 Growing Mash or Pellets  
 Hi-Energy Starter & Broiler Mash  
 Horse Feed  
 Laying Mash or Pellets

**Crawford Brothers, Inc., 109 Delaware St., Walton, N. Y.—Cont.**

16% Milk Flow  
12% Poultry Finishing Feed  
Rabbit Pellets  
Scratch Grain  
Starter Broiler Mash or Pellets  
Turkey Growing Mash or Pellets  
Warrens Milkproducer 16% Dairy Feed

**P. Cutler, Inc., Colchester, Conn.**

Prosperity Dairy Ration  
Prosperity Laying Mash

**Dailey Mills, Inc., Olean, N. Y.**

Candy Horse Feed  
34% Cost Buster  
Double Diamond Complete Egg Producer  
Double Diamond Complete Grower  
Double Diamond Complete Layer  
Double Diamond Hi-Cal Body Builder  
Double Diamond Hi-Cal Broiler Finisher  
Double Diamond Hi-Cal Rabbit Pellets  
Double Diamond Hi-Cal Starter Broiler  
Double Diamond Hi-Cal 16% Test Ration  
Double Diamond Lay-Mix 36%  
Double Diamond Layer  
Double Diamond 16% Milk Producer  
Double Diamond 20% Milk Producer  
Double Diamond 14% Pelleted Fitting Ration  
Double Diamond 16% Price Smasher  
Egg Producer  
35% Hog Supplement  
Mixing Pellets

**Dairymen's League Co-operative Ass'n., Inc., 100 Park Ave., New York, N. Y.**

Dairylea Choice Feed Grade Dried Skim Milk

**R. G. Davis & Sons, Inc., 560 Grand Ave., New Haven, Conn.**

Davis 16% Dairy Feed  
Davis Egg Mash  
Davis Horse Feed  
N. E. College Conference Growing  
N. E. College Conference Mash

**Dawe's Products Co., 4800 So. Richmond St., Chicago, Ill.**

*(See also Vitamin D Carriers)*

Dawe's Sterol D3  
Flavonne Broiler Base  
Flavonne Ribo D  
Flavonne Ribo D Special Mix 660

**Dawnwood Farms, Amenia, N. Y.**

Dawnwood Farms Caf-Star Formula Feed for Calves  
Dawnwood Farms Dots

**Decatur Milling Co., Inc., Decatur, Ill.**

Homco Hominy Feed

**Delaware Mills, Inc., Deposit, N. Y.**

Delamycin (Contains 200 g. Aureomycin)  
Delaware Breeder Mash  
Delaware Broiler Finisher  
Delaware Broiler Mash  
Delaware Chick Starter  
Delaware Egg Mash  
Delaware Fattening Mash  
Delaware Fitting Ration  
Delaware Growing Mash  
Delaware H-E Layer and Breeder  
Delaware Poultry Fitting Ration  
Delaware Scratch Grains  
Delaware Starter & Broiler  
Delaware Sweet 16% Dairy Feed  
Delaware 18% Test Ration  
Delaware Turkey Developer  
Delaware Turkey Grower  
Delaware Turkey Starter  
Indian Sweet 16% Dairy Feed

**Derby Feed Store, 176 Main St., Derby, Conn.**

Litsky's Hi-Energy All Mash Grower  
Litsky's Hi-Energy All Mash Layer  
Litsky's Hi-Energy Layer  
Litsky's Hi-Energy Starter-Broiler  
Litsky's Sweet 16% Dairy Ration

**The Derwood Mills, Inc., Derwood, Md.**

Derwood Horse Crunch

**Dewart Milling Co., Ltd., Peterborough, Ontario, Canada**

Wheat Bran  
Wheat Shorts

**Dietrich & Gambrill, Inc., So. Carroll St., Frederick, Md.**

D & G Calf Grower  
Gambrill's Chick Grains

**Distillers Corp., Ltd., Ville LaSalle, Quebec, Canada**

Distilco Corn Distillers' Dried Grains 25%

**Doughnut Corp. of America, Ellicott City, Md.**

Domaco Pure Winter Wheat Bran  
Domaco Winter Wheat Standard Middlings

**Dow Brewery, Ltd., Montreal 3, Quebec, Canada** (*See C. J. Martenis Grain Co.*)**The Drackett Products Co., Cincinnati 32, Ohio**

Drackett 44% Protein Soybean Oil Meal-Solvent Extracted

**Dutton Flour Mills, Dutton, Ontario, Canada** (*See Ackerman-Beardsley-Bennett Inc. and A. S. MacDonald Commission Co.*)**Eastern States Farmers' Exchange, Inc., West Springfield, Mass.**

All-Mash Breeder (Mash and Pellets)  
All-Mash Developer (Mash and Pellets)



**Eastern States Farmers' Exchange, Inc., West Springfield, Mass.—Cont.**

All-Mash Producer (Mash and Pellets)  
 Breeder Mash (Mash and Pellets)  
 Calf Starter  
 Calving Ration  
 Champion  
 Class Leader  
 Developer (Mash and Pellets)  
 Finisher (Mash and Pellets)  
 Fulpail  
 Gee-Mix  
 Grasslander  
 Hog Supplement (Mash and Pellets)  
 Lay-Mix (Mash and Pellets)  
 Milkmore  
 Milksaver  
 Pig Primer (Mash and Pellets)  
 Pork Builder  
 Producer (Mash and Pellets)  
 Rabettes  
 Suplets  
 36% Supplement  
 Sweepstakes  
 Turkey-Breeder Pellets  
 Turkey-Grower (Mash and Pellets)

**Elmore Milling Co., Inc., Oneonta, N. Y.**

Elmore Battery Growing Mash  
 Elmore Breeder Mash  
 Elmore Broiler Finishing Ration  
 Elmore Bull Feed  
 Elmore Calf Grain Ration  
 Elmore Chick Feed  
 Elmore Chixsaver  
 Elmore Complete Growing Ration  
 Elmore Complete Layer and Breeder Mash  
 Elmore Complete Market Egg Mash  
 Elmore Complete Rabbit Ration  
 Elmore Complete Turkey Growing Pellets  
 Elmore Dry and Freshening Ration  
 Elmore Egg Mash  
 Elmore Fitting Ration  
 Elmore Flaked Pelleted Calf Starter  
 Elmore Fleshing Pellets  
 Elmore Game Bird Grower  
 Elmore Goat Ration  
 Elmore Grand Champion Ration  
 Elmore Growing Mash  
 Elmore Hog Ration  
 Elmore Horse Feed  
 Elmore Improved Calf Starter  
 Elmore Intermediate Chick Feed  
 Elmore M.A.C. Laying Mash  
 Elmore Makemgrow Little Pig Ration  
 Elmore Milk Grains 16%  
 Elmore Milk Grains 20%  
 Elmore Pacemaker 16% Dairy Ration  
 Elmore Pacemaker 18% Dairy Ration  
 Elmore Pacemaker Fitting Ration  
 Elmore Pasture Ration  
 Elmore Poultry Fitting Ration  
 Elmore Stock Feed

**Elmore Milling Co., Inc., Oneonta, N. Y.—Cont.**

Elmore Super Broiler Ration  
Elmore Super Silage  
Elmore 30% Supplemental Dairy Feed Ration  
Elmore Test Ration 16%  
Elmore Test Ration 18%  
Elmore Turkey Breeder Mash  
Elmore Turkey Finisher (Fattener)  
Elmore Turkey Fitting Ration  
Elmore Turkey Growing Mash  
Elmore Turkey Starting Mash or Crumbles

**John W. Eshelman & Sons, Lancaster Pa.**

Conestoga 18 Dairy Feed  
Lancaster Scratch Grains  
Pennsy 16 Dairy Feed  
Pennsy Laying Mash  
Red Rose Breeder Mash  
Red Rose Broiler Finisher  
Red Rose Calf Grower  
Red Rose Calf Starter  
Red Rose 30% Cattle Supplement  
Red Rose Chick Grains  
Red Rose Complete Breeder Ration  
Red Rose Complete Growing Ration  
Red Rose Complete Laying Ration  
Red Rose 16 Dairy Feed  
Red Rose 18 Dairy Feed  
Red Rose 32% Dairy Supplement  
Red Rose Duck Grower & Breeder (Pelleted)  
Red Rose Fattening Mash  
Red Rose Finishing Pellets  
Red Rose Fitting Ration  
Red Rose Goat Ration  
Red Rose Ground Corn & Oats  
Red Rose Growing Mash  
Red Rose Hog Meal  
Red Rose Horse Feed  
Red Rose Intermediate Chick Grains  
Red Rose Laying Mash  
Red Rose Milk Replacer  
Red Rose Pig and Sow Meal  
Red Rose Pig Starter Pellets  
Red Rose Pigeon Feed  
Red Rose 36% Poultry Supplement  
Red Rose Rabbit Pellets  
Red Rose S-O-S  
Red Rose Scratch Grains  
Red Rose Starter & Grower  
Red Rose Steer Feed  
Red Rose Super Dairy Feed  
Red Rose T-C Feed  
Red Rose 14 Test Cow Ration  
Red Rose Turkey & Broiler Fitting Feed  
Red Rose Turkey Grower  
Red Rose Turkey Starter

**Evans Milling Co., Inc., Indianapolis, Ind.**

Emco Hominy Feed

**Excelsior Milling Co., Minneapolis, Minn.**

Camel Wheat Mixed Feed with Screenings

**Fairmont Foods Co., 3201 Farnam St., Omaha, Neb.**

Fairmont's Better Brand Condensed Buttermilk

**Farm Bureau Association, 155 Lexington St., Waltham, Mass.**

Farm Bureau Complete Market Egg Mash or Pellets

Farm Bureau Dairy 16%

Farm Bureau Dairy 20%

Farm Bureau Developer Mash or Pellets

Farm Bureau Fitting Ration

Farm Bureau Market Egg Mash

Farm Bureau 14% Milking Ration

Farm Bureau Rabbit Food Pellets

**Farmers Feed Co., 532 E. 76th St., New York, N. Y.**

"Bull Brand" Brewers Dried Grains

**Farmers' Marketing and Supply Co., Greenville, Ohio**

FMS - A - a food for baby animals to be used in place of milk

**Feed Products, Inc., Groveland, Fla.**

Bestest Brand "Nature Sweet" Dried Citrus Pulp

Bestest Brand "Nature Sweet" Dried Citrus Pulp (Late Production)

**Fish Products Co., Lewes, Del.**

Smith's Lifeline Brand Fish Meal

**Fishel Products Co., Highway 99 & 18th, Box 66, Kingsburg, Calif.**

Amburgo Supertrate—with Unifac (*Mfr'd. for the Amburgo Co., Inc., Philadelphia, Pa.*)

**Florida Citrus Cannery Cooperative, Lake Wales, Fla.**

Lake Wales Brand Citrus Pulp

**Flory Milling Co., Bangor, Pa.**

Flory 16% Dairy Feed

Flory Hi-Efficiency All Mash Layer

Flory Record 16% Dairy Feed (Partly Pelleted)

Flory Superior 14% Fitting Ration (Partly Pelleted)

Flory Superior 16% Dairy Feed (Partly Pelleted)

**The Fox Co., Newfield, N. J.**

(*See also Vitamin D Carriers*)

Foxco Flavitein

**Fruit Industries, P.O. Box 338, Bradenton, Fla.**

Tropicana's Sweetest Dried Citrus Pulp

**General Foods Corp., Corn Mill Div., N. Hobbie Ave., Kankakee, Ill.**

Burt's Hominy Feed

**General Foods Corp., Post's Cereals Div., 275 Cliff St., Battlecreek, Mich.**

Burt's Cereal Feed

**General Mills, Inc., 400 Second Ave. So., Minneapolis, Minn.**

Arlington Wheat Second Clear  
 Ben Hur Wheat Bran & Ground Wheat Screenings not Exceeding Mill Run  
 Ben Hur Wheat Standard Middlings & Ground Wheat Screenings not Exceeding Mill Run  
 General Mills 44% Protein Solvent (Hexane) Extracted Soybean Oil Meal  
 Gold Medal Wheat Germ Meal  
 Oven Tailings  
 Sunny South Wheat Bran  
 Washburn's Gold Medal Fancy Wheat Flour Middlings and Ground Wheat Screenings Not Exceeding Mill Run  
 Washburn's Gold Medal Fancy Wheat Mixed Feed with Ground Wheat Screenings Not Exceeding Mill Run  
 Washburn's Gold Medal Wheat Adrian Red Dog  
 Washburn's Gold Medal Wheat Bran (Free from Screenings)  
 Washburn's Gold Medal Wheat Bran and Ground Wheat Screenings Not Exceeding Mill Run  
 Washburn's Gold Medal Wheat Standard Middlings and Ground Wheat Screenings Not Exceeding Mill Run

**General Mills, Inc., Larowe Div., Box 68, North End Sta., Detroit 2, Mich.**

Larro Chick Grains  
 Larro Poultry SureHatch 38  
 Larro Poultry SureHatch Complete "Hi-Energy"  
 Larro Poultry SureHatch "Hi-Energy"  
 Larro Scratch Grains  
 Larro SureBroiler Finisher  
 Larro SureBroiler 32 Finisher  
 Larro SureBroiler 38 Starter  
 Larro SureCalf  
 Larro SureCattle 32  
 Larro SureChick  
 Larro SureFat  
 Larro SureGrow Complete "Hi-Energy"  
 Larro SureLay Complete "Hi-Energy"  
 Larro SureLay "Hi-Energy"  
 Larro SureMash Concentrate  
 Larro SureMilk 14  
 Larro SureMilk 16  
 Larro SureMilk 20  
 Larro SureMilk 32  
 Larro SureMilk 33  
 Larro SurePig  
 Larro SurePork 35  
 Larro SurePork Complete  
 Larro SurePork Concentrate  
 Larro Surepork Pasture 40  
 Larro SurePoult  
 Larro SureRabbit  
 Larro SureTurk  
 Larro SureTurk Finisher Complete  
 Larro SureTurk Fryer Complete  
 Larro SureTurk Grower Complete  
 Larro Turkey SureHatch  
 Screened Cracked Corn

**The Glidden Co., Feed Mill Div., 1160 West 18th St., Indianapolis, Ind.**

Glidden Broiler Ration  
 Glidden Hi-Flo 16  
 Glidden 44% Protein Solvent Extracted Soybean Oil Meal  
 Glidden Super Broiler Ration

**Gloucester By-Products, Inc., State Fish Pier, Gloucester, Mass.**  
Globpro Brand Fish Meal

**Goldenrod Oil Meal Sales Co., Memphis, Tenn.**  
Goldenrod Brand 41% Protein Cottonseed Meal

**Gooderham & Worts, Ltd., Toronto, Canada** (*Dist. in U. S. by Riverside Elevator Co., Detroit, Mich.*)

**Gorton-Pew Fisheries Co., Ltd., 327 Main St., Gloucester, Mass.**  
(*See also Vitamin D Carriers*)  
Gorton's Al-Blend "Junior"  
Gorton's Al-Blend "Senior"

**D. H. Grandin Milling Co., Jamestown, N. Y.**

Grandin's Baby Chick Grains  
Grandin's Calf Starter  
Grandin's Complete Chick Starter  
Grandin's Complete Growing Mash  
Grandin's Dry & Freshening Ration  
Grandin's 14 Fitting Ration  
Grandin's Happy Calf Milk Replacer  
Grandin's Hi-Nutro Mash  
Grandin's Hi-Pro Pellets  
Grandin's Horse Feed  
Grandin's Intermediate Chick Grains  
Grandin's Laying Mash  
Grandin's 16 Milk Maker  
Grandin's 20 Milk Maker  
Grandin's Pig & Sow Feed  
Grandin's Pork Maker  
Grandin's Poultry & Turkey Fitting Ration  
Grandin's Rabbit Pellets  
Grandin's Start to Finish Mash  
Grandin's Stim-U-Feed  
Grandin's Super Starter & Broiler Ration  
Grandin's Ten-Hi Broiler Ration  
Grandin's 16 Test Ration  
Grandin's 18 Test Ration  
Grandin's Turkey Fattener  
Grandin's Turkey Grower  
Grandin's Twin Six Dairy Feed  
Peerless 16 Dairy Feed

**Great Atlantic & Pacific Tea Co., 817 Andrus Bldg., Minneapolis, Minn.**  
Daily Egg Laying Mash  
Daily Growth Chick Starter  
Daily Growth Fine Chick Feed  
Daily Growth Growing Mash

**Great Star Flour Mills, Ltd., St. Marys, Ontario, Canada** (*See A. S. MacDonald Commission Co.*)

**Green Acre Farms, Nazareth, Pa.**  
Green Acre's Brand 17% Dehydrated Alfalfa Meal

**Haffenreffer & Co., Inc., 30 Germania St., Boston, Mass.**  
Haffenreffer & Co.'s Brewers' Dried Yeast



**Hales & Hunter Co., 141 W. Jackson Blvd., Chicago, Ill.**

Gold Flake Dairy 16  
Gold Flake Dairy 16½  
Pioneer Bull Feed  
Pioneer Calf Starter  
Pioneer Creep & Fitting Ration  
Pioneer Creep & Fitting Supplement  
Pioneer 16 Dairy  
Pioneer 18 Dairy  
Pioneer Dairy Fitting Feed  
Pioneer 30 Dairy Meal  
Pioneer 32 Dairy Pellets  
Pioneer Dairy Sup-Pel  
Pioneer Dry & Freshening  
Pioneer Horse Feed  
Pioneer Pelleted Flaked 15 Dairy  
Pioneer Pelleted Flaked 16 Dairy  
Pioneer Pelleted Flaked Dairy Goat Feed  
Pioneer Rabbit Pellets  
Red Comb All Mash Breeder  
Red Comb All Mash Layer  
Red Comb Balancer  
Red Comb Breeder Mash  
Red Comb Broiler Crate Fattener  
Red Comb Broiler Finisher  
Red Comb Broiler Mash  
Red Comb C Flakes  
Red Comb Chick Starter  
Red Comb Complete Turkey Grower  
Red Comb Crate Fattener  
Red Comb Duck Grower  
Red Comb Duck Starter  
Red Comb Egg Mash  
Red Comb Growing Mash  
Red Comb Poultry Flesher  
Red Comb Scratch Feed  
Red Comb Turkey Breeder  
Red Comb Turkey Finisher Pellets  
Red Comb Turkey Grower  
Red Comb Turkey Starter

**A. E. Hall, Wallingford, Conn.**

Hall's Growing Mash  
Hall's Hi-Lo Starter and Broiler  
Hall's Laying Mash

**Harper Feed Mills, Inc., Washington, Pa.**

Harco Short Feed Station Fattener Pellets

**T. G. Hill Co., C & S National Bank Bldg., Atlanta, Ga.**

T. G. Hill's 41% Protein Cottonseed Meal

**H. P. Hood & Sons, Inc., 500 Rutherford Ave., Boston, Mass.**

Dried Skimmed Milk  
Hood's Calf Starter  
Powdered Skim Milk

**Hubinger Co., Keokuk, Iowa**

Ke-OK-uk Corn Gluten Feed

**Humphreys-Godwin Co., Memphis, Tenn.**

Dixie Brand 41% Cottonseed Meal

**Illinois Cereal Mills, Inc., Paris, Ill.**

Hominy Feed

**Industrial Molasses Corp., 5009 Excelsior Blvd., Minneapolis 16, Minn.**

Dried Molasses Beet Pulp

**International Milling Co., 800 McKnight Bldg., Minneapolis, Minn.**

Blackhawk Wheat Bran with Ground Mixed Screenings not Exceeding 8%

Blackhawk Wheat Standard Middlings with Ground Mixed Screenings not Exceeding Mill Run

Middlings (Mfr'd. by Unity Feed, Inc., Boston, Mass.)

Target Wheat Red Dog

**Herman Isacs, Inc., 555 Wordin Ave., Bridgeport, Conn.**

Herman Isacs, Inc.

Meat & Bone Scrap

**John Jarvis Grain Co., Ltd., Toronto, Ontario, Canada (See A. S. MacDonald Commission Co.)**

**Kasco Mills, Inc., Waverly, N. Y.**

Kasco All Mash Broiler Grower Ration

Kasco All Mash Grower Ration

Kasco All Mash Layer Ration

Kasco Beatsall Milk Grains 20%

Kasco Body Builder

Kasco Chick Starter

Kasco Complete Rabbit Ration

Kasco Complete Turkey Finisher

Kasco 18% Dairy Feed

Kasco Egg Producer

Kasco Fitting Ration

Kasco Gro-Calf

Kasco Growing Mash

Kasco Horse Feed

Kasco Mormilk Dairy Feed

Kasco Poultry Breeder Mash

Kasco Poultry Greens and Grains

Kasco Scratch Grains

Kasco Sweet 16% Dairy Feed

Kasco Turkey Grower

Kasco Turkey Starter Ration

Milk Mizer—Milk Replacer for Calves

**Kellogg Sales Co., Battle Creek, Mich.**

Kellogg's Hominy Feed

Kellogg's Mink Mix

Kellogg's Mink Ration

**Spencer Kellogg & Sons, Inc., 98 Delaware Ave., Buffalo 2, N. Y.**

Spencer Kellogg's 32% Protein Old Process (Expeller) Linseed Oil Meal

Spencer Kellogg's 44% Protein Toasted Soybean Oil Meal—Solvent Extracted

Spencer Kellogg's 50% Protein Toasted Soybean Meal—Solvent Extracted



**Kentucky By-Products Corp., 2928 Garland Ave., Louisville, Ky.**  
Brewers' Dried Grain

**Keystone Dehydrators, Box 204, Nazareth, Pa.**  
Keystone Super Green Dehydrated Alfalfa Meal

**Chas. A. Krause Milling Co., Milwaukee, Wis.**  
Badger Yellow Hominy Feed

**Kuder Pulp Sales Co., Lake Alfred, Fla.**  
Kuder Dried Citrus Pulp, High Sugar  
Kuder Dried Citrus Pulp, High Sugar, Late Production  
Meal from Dried Kuder Citrus Pulp

**E. W. Latimer, South Coventry, Conn.**  
College 18% Dairy Ration  
College Fitting Ration  
College Laying Mash

**Lauhoff Soya Co., P.O. Box 571, Danville, Ill.**  
44% Solvent Extracted Soybean Oil Meal  
Vermilion Hominy Feed

**Lederle Laboratories, Div. American Cyanamid Co., Pearl River, N. Y.**  
Choline Chloride 25%

**Libby, McNeill & Libby, 4134 South Packers Avenue, Chicago 9, Ill.**  
Headliner Dried Citrus Pulp (100#)

**Libner Grain Co., 25 Commerce St., Norwalk, Conn.**  
Libner's Blue Ribbon Conn. Standard Chick Starter Ration  
Libner's Blue Ribbon Dairy Ration 16%  
Libner's Blue Ribbon Fitting Ration 12%  
Libner's Blue Ribbon Growing Mash with Cod Liver Oil  
Libner's Blue Ribbon Horse and Calf Ration  
Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil  
Libner's Blue Ribbon Turkey Starter & Grower  
20% Milkflow Dairy Ration

**Litchfield County Co-op. Assoc., 132 Railroad Ave., Torrington, Conn.**  
Common Sense Dairy Ration  
Common Sense Laying Mash

**Long Hill Feed Store, Long Hill, Conn.**  
Improved Square Deal Dairy Ration

**L. B. Lovitt & Co., 314 Cotton Exchange Bldg., Memphis, Tenn.**  
"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality

**McCabe Grain Co., Ltd., Winnipeg, Manitoba, Canada**  
Ground Grain Screenings

**McMillen Feed Mills, Div. of Central Soya Co., Inc., and Subsidiaries, 300 Fort Wayne Bank Bldg., Fort Wayne 2, Ind.**  
Master Blend Dairy Concentrate  
Master Mix Beef Concentrate  
Master Mix Broiler Concentrate with Methio-Vite

**McMillen Feed Mills, Div. of Central Soya Co., Inc., and Subsidiaries, 300 Fort Wayne Bank Bldg., Fort Wayne 2, Ind.—Cont.**

Master Mix Calf Concentrate with Methio-Vite  
 Master Mix Calflac  
 Master Mix Chick Concentrate with Methio-Vite  
 Master Mix Complete Calf Feed with Methio-Vite  
 Master Mix Complete Rabbit Pellets  
 Master Mix 16% Dairy Feed  
 Master Mix 20% Dairy Feed  
 Master Mix Egg Lac Pellets with Methio-Vite  
 Master Mix Egg Mash  
 Master Mix Fitting Feed  
 Master Mix Horse Feed  
 Master Mix Layer Concentrate  
 Master Mix Pig-ets with Methio-Vite  
 Master Mix Poult Starter with Methio-Vite  
 Master Mix Pullet Grower with Methio-Vite  
 Master Mix Sow Concentrate with Methio-Vite  
 Master Mix Station Gain  
 Master Mix Turkey Concentrate with Methio-Vite  
 Master Mix Turkey Grower with Methio-Vite  
 Master Mix Waylac

**MHR Alfalfa Co., Inc., Ohio City, Ohio** (*See The Yantic Grain & Products Co., Norwich, Conn.*)

**A. S. MacDonald Commission Co., 106 Grain & Flour Exchange, Boston 9, Mass.**

Jervis Pure Wheat Shorts (*Mfr'd. by John Jervis Grain Co., Ltd., 67 Yonge St., Toronto, Ontario, Canada*)  
 Parrheim Pure Wheat Bran (*Mfr'd. by Parrish and Heimbecker, Ltd., 43 Scott St., Toronto, Ontario, Canada*)  
 Parrheim Pure Wheat Shorts (*Mfr'd. by Parrish and Heimbecker, Ltd., 43 Scott St., Toronto, Ontario, Canada*)  
 Shorts (*Mfr'd. by Great Star Flour Mills, Ltd., St. Marys, Ontario, Canada*)  
 Shorts (*Mfr'd. by Dutton Flour Mills, Dutton, Ontario, Canada*)

**Maple Leaf Milling Co., Ltd., Toronto, Canada** (*See Chas. M. Cox Co., 177 Milk St., Boston, Mass.*)

**Maritime Milling Co., Inc., 1009 Chamber of Commerce Bldg., Buffalo 2, N. Y.**

BB Bull Brand "16" Dairy Ration  
 BB Bull Brand Dry & Fresh Cow Fitting Ration  
 BB Bull Brand Fitting Ration  
 BB Bull Brand 18% Special Dairy Ration  
 BB Calf Grower  
 BB Calf Starter and Growing Ration  
 BB Complete Growing Ration  
 BB Complete Laying Ration  
 BB Complete Rabbit Feed  
 BB Goat Feed  
 BB Horse Feed  
 BB Ma-Co Breeder Mash  
 BB Ma-Co Broiler Ration  
 BB Ma-Co Complete Breeder Ration  
 BB Ma-Co Complete Chick Starter Ration  
 BB Ma-Co Complete Growing Ration  
 BB Ma-Co Complete Laying Ration  
 BB Ma-Co Complete Poultry Finishing Pellets  
 BB Ma-Co Complete Turkey Breeder Ration  
 BB Ma-Co Complete Turkey Finishing Pellets  
 BB Ma-Co Complete Turkey Growing Ration  
 BB Ma-Co Complete Turkey Starter Ration

**Maritime Milling Co., Inc., 1009 Chamber of Commerce Bldg., Buffalo 2, N. Y.—Cont.**

BB Ma-Co Conditioning Mash  
BB Ma-Co Egg Mash  
BB Ma-Co Growing Mash  
BB Ma-Co 30% Protein Turkey Pellets  
BB Ma-Co Station Fattening Pellets  
BB Ma-Co Turkey Breeder Mash  
BB Ma-Co Turkey Fitting Ration  
BB Starter & Broiler Ration  
Dollar \$ Maker Brand Egg Mash  
Marmico 16% Protein Dairy Feed

**C. J. Martenis Grain Co., Inc., 2 Broadway, New York 4, N. Y.**

Dow's Dried Brewers Grains (*Mfr'd. by Dow Brewing Co., Montreal, Quebec, Canada*)  
Plain Dried Beet Pulp (*Mfr'd. by Co-op Sugar Factory & Refinery, Holland*)

**Maurer Manufacturing Co., Blanchard St., Newark 5, N. J.**

Kwality Meat & Bone Scrap 50%

**Meech & Stoddard, Inc., 76 No. Main St., Middletown, Conn.**

M & S Economy Dairy Feed  
Red Wing Calf Starter & Grower  
Red Wing 15% Dairy Feed  
Red Wing Fitting Ration  
Red Wing Growing Mash  
Red Wing Horse Feed  
Red iWng Laying Mash  
Red Wing Pig & Hog Feed  
Red Wing Starting Mash  
Red Wing Stock Feed  
Special Balance Growing Mash  
Special Balance High Antibiotic Laying Mash  
Special Balance High Efficiency Complete Growing Mash  
Special Balance High Efficiency Complete Laying Mash  
Special Balance High Efficiency Starter and Broiler Mash  
Special Balance Laying Mash  
Special Balance Starting Mash

**George J. Meyer Malt & Grain Corp., 1314 Niagara St., Buffalo, N. Y.**

Malt Sprouts

**Midwest Dried Milk Co., 106 W. Main St., Dundee, Ill.**

Midwest Sweet Dried Whole Whey

**Miller Alfalfa Co., Defiance, Ohio**

Miller's Choice Brand 17% Dehydrated Alfalfa Meal

**Miner-Hillard Milling Co., Wilkes-Barre, Pa.**

Choice Steam Cooked Hominy Feed  
M-H Dairy Feed, 18%

**Minute Maid Corp., Leesburg, Fla.**

Golden Isle Citrus Pulp

**Molson's Brewery, Ltd., Montreal, Canada**

Dried Brewers Grains

**Montmorency Distillery, Ltd., Beupre, Quebec, Canada**  
Corn Distillers' Dried Grains

**Geo. Q. Moon & Co., Inc., Binghamton, N. Y.**

Moon Baby Chick Grains  
Moon Breeder Mash  
Moon Bulky Cow Feed  
Moon Complete Breeder Mash  
Moon Complete Growing Mash  
Moon Complete Laying Mash  
Moon Complete Starter & Broiler Mash  
Moon Dairy Fitting Ration  
Moon 16% Dairy Ration  
Moon 18% Dairy Ration  
Moon 20% Dairy Ration  
Moon Developing Grains  
Moon Growing Mash  
Moon Hog Feed  
Moon Horse Feed with Molasses  
Moon Laying Mash  
Moon N. E. Complete Growing Mash  
Moon N. E. Complete Laying Mash  
Moon N. E. 20% Laying Mash  
Moon Poultry Fitting Ration  
Moon Rabbit Pellets  
Moon Scratch Feed  
Moon Starter Mash  
Moon Super Growing Mash  
Moon Super Laying Mash  
Moon Super Starter & Broiler Mash  
Moon 16% Test Ration  
Moon 18% Test Ration  
Moon Turkey Grower Mash  
Moon Turkey Starter Mash

**Fred C. Morse & Son., Guilford, Conn.**

Old Mill Breeder Mash  
Old Mill Complete Laying Mash  
Old Mill 16% Dairy Feed  
Old Mill Fitting Feed  
Old Mill Growing Mash  
Old Mill Hog Feed  
Old Mill Laying Mash  
Old Mill Poult Starter  
Old Mill Special Broiler Finisher  
Old Mill Starting Mash  
Old Mill Super Broiler Mash  
Old Mill Turkey Grower

**Mowat, Wilson & Co., 18675 James Couzens Highway, Detroit 35, Mich.**

Dried Beet Pulp  
Dried Molasses-Beet Pulp

**Nappanee Milling Co., Inc., Nappanee, Ind.**

Hominy Feed

**National Alfalfa Dehydrating and Milling Co., Lamar, Colo.**

Jack Rabbit Dehydrated Alfalfa Leaf Granules  
Jack Rabbit 17% Protein Dehydrated Alfalfa Meal



**National Biscuit Co., Toledo Mill, 2221 Front St., Toledo, Ohio**

Namico ("Reg. U.S. Pat. Office")  
Pure Wheat Bran

**National Distillers Products Corp., 120 Broadway, New York 5, N.Y.**

Nadrisol Brand Corn Distillers Dried Solubles  
Produlac Brand Corn Distillers Dried Grains with Solubles

**National Foods, Inc., 1225 W. 23rd St., Indianapolis, Ind.**

Pulverized Feed Oats

**National Vitamin Products Co., 3401 Hiawatha Ave., Minneapolis, Minn.**

(See Also *Vitamin D Carriers*)

Calvita (Trade Mark Reg.) Calf Formula  
Calvita (Brand) Poultry Banquet

**Neumond Co., 300 Merchants Exchange Bldg., St. Louis 2, Mo.**

Neumond's Brewers Dried Grains  
Neumond's Corn Distillers Dried Grains  
Neumond's Suncured Dairy Cut Alfalfa  
Neumond's 13% Suncured Alfalfa Meal

**Newton Concentrates, Ashby, Mass.**

Newton Bovine Concentrates (Fitting and Fattening)  
Newton Bovine Concentrates (Super)  
Newton Bovine Concentrates (Sweet Fourteen)  
Newton Bovine Concentrates (Sweet Super)  
Newton Green Roughage Concentrates

**Ogden Grain Co., Utica, N.Y.**

Ogden Aureomycin Mixture  
Ogden "Biddy" Mash  
Ogden Breeder Mash  
Ogden Complete Starter Grower Layer Breeder  
Ogden Fitting Ration  
Ogden Growing Mash  
Ogden Hi-Energy Breeder Mash  
Ogden Hi-Energy Laying Mash  
Ogden Hi-Energy Starter & Broiler  
Ogden Laying Mash  
Ogden Poultry & Turkey Fitting Ration  
Ogden Rabbit Pellets  
Ogden Super Pig Ration

**Ogilvie Flour Mills Co., Ltd., Montreal, Canada**

Ogilvie Wheat Bran  
Ogilvie Wheat Shorts

**Oswego Soy Products Corp., Oswego, N.Y.**

Soy Bean Toasted Meal

**Owensboro Grain Co., Inc., 102 Lewis St., Owensboro, Ky.**

Ograco 44% Protein Solvent Extracted Soybean Oil Meal

**Pabst Brewing Co., Chicago, Ill.**

Pabst Hominy Feed

**Park & Pollard Co., Inc., 356 Hertel Ave., Buffalo 7, N. Y.**

Claco Dairy Ration  
 Corn & Oats Half & Half  
 Hi-Prime Complete Turkey Grower  
 Hi-Prime Turkey Breeder  
 Hi-Prime Turkey Finisher  
 Hi-Prime Turkey Fitting Ration  
 Hi-Prime Turkey Grower  
 Hi-Prime Turkey Starter  
 Lay or Bust All Mash Breeder  
 Lay or Bust All Mash Grower  
 Lay or Bust All Mash Layer  
 Lay or Bust Breeder Mash  
 Lay or Bust Broiler Finishing Mash  
 Lay or Bust Broiler Mash  
 Lay or Bust Chick Scratch  
 Lay or Bust Chick Starter  
 Lay or Bust Egg Mash  
 Lay or Bust Fleshing Pellets  
 Lay or Bust Growing Feed  
 Lay or Bust Hi-Power Broiler Ration  
 Lay or Bust Hi-Power 20% Broiler Ration  
 Lay or Bust Hi-Valu Pellets  
 Lay or Bust Laying Pellets  
 Lay or Bust Poultry Fitting Ration  
 Lay or Bust T.N.T. (Temporary Nutritional Treatment)  
 Milk-Maid Bulky Sweet Dairy  
 Milk-Maid Calf Starter Mix  
 Milk-Maid Calf Starter Pellets  
 Milk-Maid 32% Dairy Mix  
 Milk-Maid 16% Dairy Ration  
 Milk-Maid 20% Dairy Ration  
 Milk-Maid Dri-Fresh Ration  
 Milk-Maid Fitting Ration  
 Milk-Maid Goat Feed  
 Milk-Maid Test Cow Ration  
 Milk-Maid 14% Test Ration  
 Park & Pollard Complete Broiler Ration  
 Park & Pollard Complete Chick Starter  
 Park & Pollard Go-Tu-It Pig Grower  
 Park & Pollard Go-Tu-It Pig Starter  
 Park & Pollard Complete Grower  
 Park & Pollard Complete Layer  
 Park & Pollard Laying Mash  
 Park & Pollard 16% Dairy  
 Park & Pollard Rabbit Pellets  
 Park & Pollard Stock Feed  
 Red Ribbon 16% Dairy Ration  
 Red Ribbon 18% Dairy Ration  
 Red Ribbon 20% Dairy Ration  
 Yankee Horse Feed

**Parrish & Heimbecker, Ltd., Toronto, Ontario, Canada** (See *A. S. MacDonald Commission Co., Boston, Mass.*)

**Pasco Packing Co., Dade City, Fla.**

O-Mi-O Citrus Pulp  
 Sugar Sweet Citrus Meal  
 Sugar Sweet Citrus Pulp

**Patent Cereals Co., Geneva, N. Y.**

Hominy Feed

**Penick & Ford, Ltd., Inc., Cedar Rapids, Iowa**  
Douglas Corn Gluten Meal

**Pet Milk Co., Arcade Bldg., St. Louis, Mo.**  
Pet Brand Dry Skimmed Milk

**Phenix Foods Co., 460 E. Illinois St., Chicago, Ill.**  
KRACO Dried Whole Whey  
Kraylets for Livestock & Poultry  
Kraylets Plus 2

**Phenix Milling Co., Ltd., Galt, Ontario, Canada.** (*See Bosco & Bower, Ltd., Montreal, Canada*)

**A. D. Pierce, Brooklyn, Conn.**  
Pierce Broiler Finisher  
Pierce Hi-Energy Mash  
Pierce Laying Mash  
Pierce Special Broiler  
Pierce Special Layer  
Pierce 20% Starter Mash

**Pillsbury Mills, Inc., Pillsbury Bldg., Minneapolis 2, Minn.**  
Pillsbury's Amazon Second Clear  
Pillsbury's XX Daisy  
Pillsbury's Fancy Wheat Mixed Feed with Ground Wheat Screenings not Exceeding Mill Run  
Pillsbury's Hard Wheat A. Middlings with Ground Wheat Screenings not Exceeding Mill Run  
Pillsbury's Hard Wheat Bran with Ground Wheat Screenings not Exceeding Mill Run  
Pillsbury's Hard Wheat Standard B. Middlings with Ground Wheat Screenings not Exceeding Mill Run  
Pillsbury's Verona Durum Wheat Product  
Pillsbury's Wheat Bran with Ground Wheat Screenings not Exceeding 8%  
Pillsbury's Wheat Germ Meal  
Pillsbury's Wheat Standard Middlings with Ground Wheat Screenings not Exceeding Mill Run

**R. C. Pratt & Co., Ltd., 18 Toronto St., Toronto, Ontario, Canada**  
"Ruler" Brand Canadian Pure Wheat Shorts

**Publicker Industries, Inc., 1429 Walnut St., Philadelphia 2, Pa.**  
"PACO" Molasses Distillers Dried Solubles

**The Quaker Oats Co., Merchandise Mart Plaza, Chicago 54, Ill.**  
Bell Cow Wheat Bran  
Bell Cow Wheat Shorts  
Feeding Oat Groats  
Feeding Steel Cut Oat Groats  
Ful-O-Pep AA 32% Dairy Concentrate  
Ful-O-Pep Broiler Finisher  
Ful-O-Pep Calf Ration  
Ful-O-Pep Calf Starter  
Ful-O-Pep Chick Starter  
Ful-O-Pep Complete Breeder (For Laying Hens)  
Ful-O-Pep Crate Fattener  
Ful-O-Pep 32% Dairy Concentrate  
Ful-O-Pep Dairy Feed



**The Quaker Oats Co., Merchandise Mart Plaza, Chicago 54, Ill.—Cont.**

Ful-O-Pep Derwood Horse Crunch  
 Ful-O-Pep Egg-Breeder Mash  
 Ful-O-Pep Egg-Breeder Ration  
 Ful-O-Pep Egg Ration, A Complete Mash Feed  
 Ful-O-Pep Fattening Feed Pellets Special  
 Ful-O-Pep Fine Chick Grains  
 Ful-O-Pep Fitting Feed  
 Ful-O-Pep Flock Ration  
 Ful-O-Pep Goat Feed  
 Ful-O-Pep Growing Mash  
 Ful-O-Pep Growing Ration  
 Ful-O-Pep High Sweet Blend  
 Ful-O-Pep Horse Feed  
 Ful-O-Pep Laying Mash  
 Ful-O-Pep Milking Feed  
 Ful-O-Pep Pork Ration (Complete Hog Feed)  
 Ful-O-Pep Poultry Station Feed  
 Ful-O-Pep Pro-Sweet Supplement  
 Ful-O-Pep Rabbit Ration  
 Ful-O-Pep Sow Ration  
 Ful-O-Pep Sow Supplement  
 Ful-O-Pep Super Greens  
 Ful-O-Pep Turkey Breeder  
 Ful-O-Pep Turkey Finisher Pellets  
 Ful-O-Pep 26% Turkey Grower  
 Ful-O-Pep Turkey Starter  
 Ful-O-Pep Utility Egg Mash  
 Muffets Shredded Wheat Feed  
 Peterborough Oat Huller Feed  
 Quaker Oat Mill Feed with 25% Molasses  
 Quaker 16% Protein Dairy Feed  
 Quaker 20% Protein Dairy Feed  
 Quaker Sugared Schumacher Feed  
 Sugared Vim Feed  
 Victor Feeding Rolled Oats  
 Vim Oat Huller Feed  
 Yellow Hominy Feed

**Quality Alfalfa Products, Inc., 666 Otter Creek Rd., Toledo, Ohio**  
 Green Gold Brand Alfalfa Meal

**Ralston Purina Co., Checkerboard Sq., St. Louis, Mo.**

Corn & Oat Provender  
 Dairy Premix  
 Hominy Feed  
 Mixed Screenings  
 Northeastern 16% Dairy Feed  
 Northeastern Scratch Feed  
 Northeastern Special Dairy 20%  
 41% Protein Cottonseed Meal  
 Purina B & M Cow Chow  
 Purina Beef Chow  
 Purina Breeder Lay Chow E  
 Purina Breeder Layena (Complete Ration E)  
 Purina Broiler Chow E  
 Purina Broiler Chow Finisher E  
 Purina Bulky Las  
 Purina Calf Startena E  
 Purina Chick Chow (Coarse)  
 Purina Chick Chow (Fine)  
 Purina Chick Growena E

**Ralston Purina Co., Checkerboard Sq., St. Louis, Mo.—Cont.**

Purina Chick Growing Chow E  
Purina Complete Sow & Pig Chow E  
Purina Cow Chow 14%  
Purina Cow Chow 16%  
Purina Cow Chow 18%  
Purina Cow Chow Concentrate  
Purina Cow Chow Supplement  
Purina D & F Chow  
Purina D & F Chow E  
Purina 14% Dairy Chow  
Purina 16% Dairy Chow  
Purina 18% Dairy Chow  
Purina Duck Breeder Layena E  
Purina Duck Growena E  
Purina Duck Startena E  
Purina Flock Chow E  
Purina Fox Chow  
Purina Fox Chow (Without Meat Meal)  
Purina Game Bird Breeder Layena (Complete Ration) E  
Purina Game Bird Growena E  
Purina Game Bird Startena E  
Purina Goat Chow E  
Purina Hen Chow D  
Purina Hog Chow Supplement  
Purina Hog Fatena E  
Purina Lay Chow E  
Purina Layena (Complete Ration) E  
Purina Milk Chow 18%  
Purina Milk Chow E 16%  
Purina Mink Chow  
Purina Nursing Chow  
Purina Omolene  
Purina Pig-Plus  
Purina Pig Startena E  
Purina Poultry Booster Chow E  
Purina Rabbit Chow Checkers (20%)  
Purina Rabbit Chow Checkers (Complete Ration) E  
Purina Range Checkers E  
Purina Roaster Chow  
Purina Steer Fatena G (E)  
Purina Turkey Breeder Layena E  
Purina Turkey Fatena E  
Purina Turkey Growena E  
Purina Turkey Startena E  
Screened Cracked Yellow Corn  
Wheat Standard Middlings

**Reliable Grain & Fuel Co., 65 Canal St., Ansonia, Conn.**

Reliable Growing Feed with Cod Liver Oil  
Reliable Laying Mash with Cod Liver Oil  
Reliable 16% Protein Dairy Feed

**Riverside Elevator, 1366 Penobscot Bldg., Detroit, Mich.**

Corn Distillers' Dried Grains (*Mfr'd. by Gooderham & Worts, Ltd., Canada*)  
Corn Distillers' Dried Grains (*Mfr'd. by Hiram Walker & Sons, Ltd., Canada*)  
Walker's Stimuflav (Corn Distillers' Dried Solubles) (*Mfr'd. by Hiram Walker & Sons, Ltd., Canada*)

**Rohloff Bros., Inc., RFD Graytown, Ohio**

Dehydrated Alfalfa Meal with Animal Fat

**H. M. Rubin Co., Inc., 53-01 Vernon Boulevard, Long Island City, N. Y.**

Rubco Meat Bone Scrap 50%  
Rubco Meat Bone Scrap 55%  
Rubco Meat Bone Scrap 60%  
Rubco Steamed Bone Meal 5%

**Russell-Miller Milling Co., 900 Midland Bank Bldg., Minneapolis 1, Minn.**

Hard Wheat Occident Bran  
Hard Wheat Occident Flour Middlings  
Hard Wheat Occident Mixed Feed Containing Ground Wheat Screenings not  
Exceeding Mill Run  
Hard Wheat Occident Standard Middlings Containing Ground Wheat Screen-  
ings not Exceeding Mill Run

**Wolf Savitsky & Sons, Inc., Foot of White St., Shelton, Conn.**

Wolf's Broiler Finisher  
Wolf's Calf Ration  
Wolf's Complete "Hi-Eff" Egg Breeder Mash  
Wolf's Complete "Hi-Eff" Growing Mash  
Wolf's Egg Mash  
Wolf's Growing Mash  
Wolf's Hi-Speed Starter and Broiler Ration  
Wolf's Horse Feed  
Wolf's Performo-Las  
Wolf's Pig & Hog Feed  
Wolf's Stock Feed  
Wolf's Super Hi-Eff Starter & Broiler Ration  
Wolf's Sweetened 14% Dairy Ration  
Wolf's Sweetened 16% Dairy Ration  
Wolf's Sweetened 18% Dairy Ration  
Wolf's Sweetened 20% Dairy Ration

**Schoeneck Farms, Inc., R.F. #3 Nazareth, Pa.**

Schoeneck's Super-Green Dehydrated Alfalfa Meal

**Sea Board Supply Co., 35th & Grays Ferry Ave., Philadelphia 46, Pa.**

Crab Meal  
Dried Tomato Pomace

**Joseph E. Seagram & Sons, Inc., Louisville, Ky.**

Seagram's Corn Distillers Dried Grains 25%  
Seagram's Corn Distillers Dried Grains 26%  
Seagram's Corn Distillers Dried Solubles 30%

**Seymour Grain & Coal Co., 100 Main St., Seymour, Conn.**

Miracle All Mash Layer  
Miracle Chick Starter  
Miracle 16% Dairy Feed  
Miracle Fitting Feed  
Miracle Grower  
Miracle Hi-Energy Starter & Broiler Ration  
Miracle Hog Ration  
Miracle Mash  
Miracle Scratch Feed  
New England Mash  
See-More Milk Dairy Ration 18%  
See-More Milk Dairy Ration 20%

**A. E. Shedd Co., Norwich, Conn.**

Shedd's Dairy Ration  
Shedd's Fitting Ration

**The Sherwin-Williams Co., 101 Prospect Ave., N.W., Cleveland, Ohio**

Sherwin-Williams 34% Linseed Oil Meal (Blend of Expeller & Solvent Extracted Meals)

**Sherwood Feed Mills, Inc., 500 President St., Baltimore, Md.**

Brewer's Dried Grains

**Silmo Chemical Corp., Vineland, N.J.**

(See also *Vitamin D Carriers*)

Vit-AY 3000  
Vit-D-150 M  
Vit-D-1500  
Vit-ad 1500

**W. J. Small Co., Div. Archer-Daniels-Midland Co., Kansas City, Mo.**

Small's 17% Dehydrated Alfalfa Meal

**Allen V. Smith, Inc., Marcellus Falls, N. Y.**

Smith's Barley Feed (Red Tag Brand)

**J. Howard Smith, Inc., Port Monmouth, N. J.**

Smith's Lifeline Fish Meal

**The Smith Meal Co., Inc., Amagansett, N. Y.**

Smith's Life Line Fish Meal

**South Windsor Grain Co., South Windsor, Conn.**

Valley Laying Mash

**Southern Fruit Distributors, Inc., Orlando, Fla.**

Bluebird Dried Citrus Pulp  
Bluebird Sugarsweet Dried Citrus Pulp

**Sperti Products, Inc., 816 Clinton St., Hoboken, N. J.**

Sperti Type #1 Dried Brewers Yeast

**A. E. Staley Manufacturing Co., Decatur, Ill.**

Staley's Corn Gluten Feed  
Staley's Corn Gluten Meal  
Staley's 21% Corn Gluten Feed  
Staley's Hi-Pro-Con 50% Protein Dehulled Solvent Extracted Soybean Oil Meal  
Staley's 44% Protein Solvent Extracted Soybean Oil Meal

**D. A. Stickell & Sons, Inc., 67 W. Baltimore St., Hagerstown, Md.**

Stickell's Intermediate Chick Feed  
Su-Per Horse & Calf Feed  
Su-Per Rabbit Pellets  
Victor Chick Feed  
Zip Egg Mash

**Stock-Gro, Inc., 30 N. Michigan Ave., Chicago 2, Ill.**

Simmons Condensed Whey 55% Solids  
Simmons Stock-Gro  
Simmons Stock-Mix

**Suni-Citrus Products Co., Haines City, Fla. (See Ashcraft-Wilkinson, Atlanta, Ga.)**

**Sunny Slope Farms, Inc., Nazareth, Pa.**

Sunny Slope Farms Brand Dehydrated Alfalfa Meal

**Sunshine Biscuits, Inc., Milling Div., Kansas City, Kan.**

U. M. C. Wheat Bran-Pure Wheat Bran

**Sweetall Manufacturing Co., Williamstown, N. Y.**

Sweet Colass

**Swift & Co., Soy Bean Mill, Fostoria, Ohio**

Swift's 36% Protein Cottonseed Meal or Pellets  
Swift's 41% Protein Cottonseed Meal or Pellets  
Swift's 44% Protein Solvent Extracted Soybean Oil Meal

**The Thomaston Supply Co., Inc., Thomaston, Conn.**

Thomaston Dairy Ration  
Thomaston 16% Dairy Ration  
Thomaston Dry Stock Feed  
Thomaston Egg Mash  
Thomaston Growing Mash  
Thomaston Starter & Broiler Mash

**Tri Associates, Inc., Minneapolis, Minn.**

Tri's Grade A Calf Milk-Replacer

**Trico Feed Mills, Minden, Neb.**

Dehydrated Alfalfa Meal 17%

**Union Sales Corp., Dist. for Union Starch & Refining Co., 301 Washington St., Columbus, Ind.**

Union Corn Gluten Feed

**United Co-Operative Farmers, Inc., Fitchburg, Mass.**

UCF All Mash Breeder  
UCF All Mash Grower & Layer  
UCF Breeder  
UCF Broiler Mash  
UCF Calf Meal  
UCF Calf Starter  
UCF Calving Ration  
UCF 16% Dairy  
UCF Egg Mash  
UCF Fitting Ration  
UCF Grower  
UCF Horse Feed  
UCF Layer  
UCF Milkmaker  
UCF Mix Feed  
UCF Pig & Hog Feed



**United Co-Operative Farmers, Inc., Fitchburg, Mass.--Cont.**

- UCF Poultry Fattening Ration
- UCF Poultry Fitting Ration
- UCF Stock Feed
- UCF 16% Super Dairy
- UCF Super Starter
- UCF Turkey Grower & Fattener
- UCF Turkey Starter

**Unity Feeds, Inc., 177 Milk St., Boston, Mass.**

- Paycheck 18% Dairy Ration
- Poultry Fitting Ration
- Unity Boosterettes
- Unity Breeder Mash
- Unity Bulky-Mix Ration
- Unity Calving Ration
- Unity Complete Growing Mash
- Unity Complete Market Egg Mash
- Unity Complete Rabbit Pellets
- Unity Dairy & Fitting Ration
- Unity 16% Dairy Ration
- Unity 18% Dairy Ration
- Unity 20% Dairy Ration
- Unity Growing Mash
- Unity High Energy Breeder Mash
- Unity High Energy Growing Mash
- Unity High Energy Laying Mash
- Unity Horse Feed
- Unity Improved Calf Ration
- Unity Laying Mash
- Unity Milk Replacer
- Unity Pig & Hog Ration
- Unity Scratch Feed
- Unity Stock Feed
- Unity Super-Gro Ration
- Unity Super Ration
- Unity Tri-Way Mash
- Unity Turkey & Game Bird Breeder Mash
- Unity Turkey & Game Bird Growing Mash
- Unity Turkey & Game Bird Super Ration
- Unity Turkey Finishing Pellets

**Valier & Spies Milling Co., St. Louis, Mo.**

- Big Flake Pure Wheat Bran
- Valier's Wheat Bran

**Victory Mills, Ltd., Toronto, Ontario, Canada**

- Veeline Soybean Oil Meal

**Virginia Carolina Chemical Corp., Taftville, Conn.**

- Protein Feed

**Vitality Mills, Inc., 141 W. Jackson Blvd., Chicago, Ill.**

- Vitality Brand All-In-One Rabbit Pellets

**Hiram Walker & Sons, Inc., Peoria, Ill.**

- Corn Distillers' Dried Grains with Solubles

**Hiram Walker & Sons, Inc., Walkerville, Ontario, Canada** (*See Riverside Elevator Co., Detroit, Mich.*)

William S. Warren & Son, Eastford, Conn. (See Clyde Milling Corp., Clyde, N.Y.)

Watertown Cooperative Assoc., Inc., 27 Depot St., Watertown, Conn.

Storr's Calf Ration  
 Storr's 16% Pasture Ration  
 Watertown Co-Op Broiler Mash  
 Watertown Co-Op Growing Mash  
 Watertown Co-Op Laying Mash  
 Watertown Co-Op Starter Mash  
 Watertown Co-Op Turkey Growing Mash

H. K. Webster Co., Lawrence, Mass.

Blue Seal Breeder's Mash  
 Blue Seal Calf Starter  
 Blue Seal Chick Feed  
 Blue Seal Coarse "16" Dairy Ration  
 Blue Seal Coarse "20" Dairy Ration  
 Blue Seal "32" Dairy Concentrate  
 Blue Seal Economizer "16" Dairy Ration  
 Blue Seal Egg Mash  
 Blue Seal Fattening Pellets  
 Blue Seal Fine "16" Dairy Ration  
 Blue Seal Fine "20" Dairy Ration  
 Blue Seal Fitting Ration with Vitamin D Yeast  
 Blue Seal Goat Feed  
 Blue Seal Growing Mash  
 Blue Seal Horse Feed  
 Blue Seal Pig Feed  
 Blue Seal Poultry & Turkey Fitting  
 Blue Seal Rabbit Pellets  
 Blue Seal Standard "16" Dairy Ration  
 Blue Seal Succulent and Calving Ration  
 Blue Seal Super All-Mash Breeder's Ration  
 Blue Seal Super All-Mash Egg Ration  
 Blue Seal Super All-Mash Growing Ration  
 Blue Seal Super Mash  
 Blue Seal Super Starter & Broiler  
 Blue Seal Test Ration  
 Blue Seal Turkey Growing

West-Nesbitt, Inc., 26-34 Market St., Oneonta, N. Y.

All Pure Milk Ration  
 Pure Feed Calf Grower  
 Pure Feed Calf Meal  
 Pure Feed Chick Grains  
 Pure Feed Complete Rabbit Pellets  
 Pure Feed Dairy Ration  
 Pure Feed 16% Dairy Ration  
 Pure Feed Dairy-Test Ration  
 Pure Feed Egg & Breeder Mash  
 Pure Feed Egg Maker  
 Pure Feed 14% Fitting Ration  
 Pure Feed Growing Mash  
 Pure Feed High Energy Layer  
 Pure Feed Horse Ration  
 Pure Feed Starting Mash  
 Pure Feed Sweet "20"  
 Pure Feed Swine Ration  
 Pure Feed Turkey Finisher (Pellets)  
 Pure Feed Turkey Grower (Pellets)  
 Pure Feed Turkey Starter

**Western Condensing Co., Appleton, Wis.**

(See also *Vitamin D Carriers*)

Peebles' Calf-Kit

Peebles' Dried Whey-Product 58% Lactose with Whey Fermentation Solubles

Peebles' Dried Whole Whey with Dried Whey Fermentation Solubles

Peebles' Free Choice Feed

Peebles' M-N-C

**A. C. Wetherell, Suffield, Conn.**

Special Dairy Mixture No. 3

**Whitmoyer Laboratories, Inc., Myerstown, Pa.**

(See also *Vitamin D Carriers*)

Clo-Meal

Flav-A-Dec

Whitmoyer Quality Fish Meal 60%

Whitmoyer Quality 57% Fish Meal

**Wilkins-Rogers Milling Co., Inc., Washington, D. C.**

Big Five Dairy Feed

Washington Horse Feed

Washington Laying Mash

Washington Scratch Feed

**Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.**

Big Y All in All Egg Ration

Big Y All in All Growing Ration

Big Y Breeder Mash

Big Y Calf Starter & Builder

Big Y Calving Ration

Big Y Chick Scratch Grain

Big Y Chlortetracycline (Aureomycine Mixture)

Big Y Coccidiosis Control Mixture

Big Y Confinement Growing Mash

Big Y Dairy & Fitting Ration

Big Y 16% Dairy Ration

Big Y 18% Dairy Ration

Big Y 20% Dairy Ration

Big Y Egg Maker

Big Y Fattening Pellets

Big Y Fitting Ration 12%

Big Y Hi-Efficiency Breeder Ration

Big Y Hi-Efficiency Laying Mash

Big Y Hi-Efficiency Range Grower

Big Y Hi-G Dairy

Big Y Hi-G Scratch Feed

Big Y Hog & Pig Ration

Big Y Horse Feed

Big Y Improved Al-Mo

Big Y Improved Broiler Finisher

Big Y Improved Broiler & Starter Ration

Big Y Improved Turkey Starter & Game Bird Feed

Big Y Intermediate Chick Grain

Big Y 20% Laying Mash

Big Y M & O Growing Feed

Big Y M & O Laying Mash

Big Y Meat Pullet & Capon Ration

Big Y Poultry Fitting Ration

Big Y Progressive Growing Feed

Big Y Purity Dairy Ration

Big Y Rabbit Pellets

**Yantic Grain & Products Co., 3 Cove St., Norwich, Conn.—Cont.**

Big Y Scratch Feed  
Big Y Sheep & Goat Feed  
Big Y Station Fattener Pellets  
Big Y Stock Feed  
Big Y Super Starter & Broiler Ration  
Big Y Test Cow Ration  
Big Y Turkey Breeder Mash  
Big Y Turkey Fattener  
Big Y Turkey Growing Feed

**Yieldmor Feeds, Inc., P.O. Box 807, Piqua, Ohio**

David Small's Fleshing Pellets  
David Small's Growing Mash  
David Small's High Efficiency All Mash Breeder  
Yieldmor 22% Breeder Ration  
Yieldmor Hi Efficiency All Mash Breeder  
Yieldmor Station Fattener Pellets

**Meyer Zausner, Inc., New Holland, Lancaster Co., Pa.**

Zausner Condensed Whole Whey

**VITAMIN D CARRIERS**

**Astrol Products, Inc., 57-59 Commerce St., Brooklyn 31, N. Y.**

Dry D

**The Borden Co., Special Products Div., 350 Madison Ave., New York 17, N. Y.**

(See also Feeds)

Borden's Ration-Ayd for Poultry Mash  
Borden's Vampros Accessory Feed for Poultry  
Bospro Vitamin A & D Supplement  
Ration-Ayd for Hogs, A Mixer's Ingredient for Fortifying Pig and Hog Feeds

**Consolidated Products Co., Danville, Ill. (See also Feeds)**

New "E" Emulsion - Self Feeding  
New Kaff-A  
New Semi Solid "E" Emulsion

**Dawes Laboratories, Inc., 4800 South Richmond St., Chicago 32, Ill.**

Dawes Sterol D<sub>3</sub>

**E. I. du Pont de Nemours, Wilmington, Del.**

Du Pont Delsterol 1500-D, "D"-Activated Animal Sterol (Vitamin D<sub>3</sub>) in Corn Meal  
Du Pont Delsterol 3000-D, "D"-Activated Animal Sterol (Vitamin D<sub>3</sub>) in Corn Meal

**Eastern States Farmers' Exchange, Inc., W. Springfield, Mass.**

Calf Tablets  
Vitamin A & D Feeding Oil

**The Fox Co., Newfield, N. J. (See also Feeds)**

Foxco Dependable Dry 1500-D  
Foxco Qualadee A & D Feeding Oil  
Foxco Vitamin D Feeding Oil

**Gorton-Pew Fisheries Co., Ltd., 327 Main St., Gloucester, Mass. (See also Feeds)**

Gorton's Al-Blend "Junior"  
Gorton's Al-Blend "Senior"

**McKesson & Robbins, Inc., Chemical Div., 155 E. 44th St., New York, N.Y.**

Peder Devold Cod Liver Oil USP Destearinated

**Marden-Wild Corp., 500 Columbia St., Somerville, Boston 43, Mass.**

Marden's Vitamin A & D Feeding Oil - 300D/1500A per gram

Marden's Vitamin A & D Feeding Oil - 300D/750A per gram

Marden's Poultry Feeding Cod Liver Oil - 300D 1500A per gram

**Marine Products Co., 345 W. First St., So. Boston 27, Mass.**

Cod Liver Oil

**Myzon, Inc., 1142 W. Roscoe St., Chicago, Ill.**

Myzon Poultry Bracer

Myzon Poultry Builder

**National Vitamin Products Co., 3401 Hiawatha Ave., Minneapolis, Minn.**

(See also Feeds)

Calvita (Brand) Poultry Banquet

**Nopco Chemical Co., Harrison, N. J. (See also Feeds)**

Nopcay "10"

Nopdex "300"

**Silmo Chemical Corp., Vineland, N. J. (See also Feeds)**

Silmo 300

Silmo A & D Feeding Oil 1000/600A

Silmo X

Silmo XX Vitamin Oil

Vit-ad 1500

Vit-Ay 3000

Vit-D-150 M

Vit-D-1500

**Unity Feeds, Inc., 177 Milk St., Boston, Mass. (See also Feeds)**

Unity Milk Replacer

**Western Condensing Co., Appleton, Wis. (See also Feeds)**

Peebles' Free Choice Feed

**Whitmoyer Laboratories, Inc., Myerstown, Pa. (See also Feeds)**

DRI-COL

Flav-A-Dee

Whitcod 300D-1500A

Whitcod Pure Cod Liver Oil USP Non Destearinated

Whitmoyer 85D Feeding Oil

Whitmoyer Quality Vitamin A & D Feeding Oil 300-D-1500A

**Yantic Grain & Products Co., Norwich, Conn. (See also Feeds)**

Big Y Vitamin A & D Feeding Oil



## SUMMARY OF INSPECTION

In the calendar year 1954, a total of 1,826 samples was examined. This total included official samples of commercial feeds and vitamin D carriers, and miscellaneous materials as shown in the following summary:

Biological specimens analyzed for poison	201
Check Feeds, A.A.F.C.O., etc.	17
Commercial feeding stuffs, official samples	937
Medicated feeds	94
Miscellaneous feeds, etc., analyzed for purchasers	90
Pasture grass, etc., samples for Storrs Station	451
Vitamin D carriers, official samples	36
	<hr/>
	1,826

Samples examined for Storrs Station are in connection with investigations carried on by that Station and are not for discussion in this report.

## COMMERCIAL FEEDING STUFFS

The results of analysis of official inspection samples, other than vitamin D carriers, are summarized as follows:

Total number of samples	937
Samples deficient in:	
one item	74
two items	7
Percentage of samples meeting guaranties	91
Total guaranties made	2,797 <sup>1</sup>
Guaranties not met:	
protein	20
fat	64
fiber	4
Percentage of guaranties met	88
	97

Three less samples were found deficient in 1954 than in 1953, and 26 less than in 1952. The number of samples with low fat guaranties showed an actual increase of 15, however; this is the sixth successive year that deficiencies in fat have considerably exceeded those for protein and fiber combined.

The percentages of samples meeting all guaranties, and of guaranties met, were identical in 1953 and 1954.

Chemical analyses of official samples are given in Table 1; deficiencies are shown in **bold face type**.

## VITAMIN D CARRIERS

Thirty-six samples of vitamin D carriers were examined during the year. Results of biological tests are summarized in Table 2; assays of poultry feed supplements were made by the first action A.O.A.C. method using day-old chicks, while the U.S.P. method using rats was employed for feed supplements for four-footed animals. Thirty-two samples, or 89 per cent, met their guaranteed potencies or were sufficiently close

<sup>1</sup>Six samples with two guaranties, one with only one guaranty and two with no guaranty.

thereto to be passed. During the entire 18-year period from 1937 to 1954 inclusive, 927 samples have been examined, of which 833, or 90 per cent, have been passed.

### MEDICATED FEEDS

Medicated feeds are still not required to be registered under the feeding stuffs law, but they are analyzed every year for their drug contents. Fifty-eight samples of sulfaquinoxaline feeds, 13 samples containing both sulfaquinoxaline and arsanilic acid, seven nitrophenide feeds, seven nitrophenide-plus-arsanilic acid feeds, four samples containing only arsanilic acid, two samples medicated with phenothiazine and nicotine, and one sample each containing enheptin, 4-nitrophenylarsonic acid, and sulfaquinoxaline-plus-3-nitro-4-hydroxyphenylarsonic acid, or a total of 94 medicated feed samples, were analyzed during 1954. Most of these samples were taken by Inspector William Stroffolino of the Food and Drug Commission. Sixty-nine of the 94 samples, or 73 per cent, came within the permitted  $\pm 20$  per cent tolerance of the guaranteed percentages of the respective drugs. Analyses are given in Tables 3, 4 and 5; deficiencies are in bold face type.

The sale of medicated feeds has expanded considerably since the first sulfaquinoxaline feeds appeared on the market in 1949. As explained in the report for that year,<sup>1</sup> feeds to which 0.0125 per cent of the sulfaquinoxaline had been added were introduced as a convenient means of mass administration of the drug to chickens as a prophylactic against coccidiosis. The following year nitrophenide (m,m'-dinitrodiphenyldisulfide) came on the market as a competing, somewhat cheaper, drug intended to accomplish the same purpose, and thereafter the number of different drugs added to feeds increased rapidly. (A review of this subject is given in our 1951 report.<sup>2</sup>) The purposes for which the drugs present in the 1954 inspection samples (other than sulfaquinoxaline and nitrophenide) are used are as follows:

(1.) Arsanilic acid and 3-nitro-4-hydroxyphenylarsonic acid are employed "mainly for improvement of feathering and increase of pigmentation of shanks, skin, comb, and wattles."<sup>3</sup>

(2.) Enheptin (2-amino-5-nitrothiazole) is used as a remedy for "blackhead" (histomoniasis) in turkeys.

(3.) 4-Nitrophenylarsonic acid was introduced by McGuire and Morehouse in 1952<sup>4</sup> as another blackhead remedy claimed to have certain advantages over enheptin. "Histostat" is the trade name of Dr. Salsbury's Laboratories, Charles City, Iowa, for a 1 to 3 mixture of the drug with an inert filler.

(4.) A mixture of phenothiazine and nicotine is administered to poultry as a vermifuge.

<sup>1</sup>Conn. Agr. Expt. Sta., Bul. 539, 40 (1950).

<sup>2</sup>Conn. Agr. Expt. Sta., Bul. 555, 44 (1952).

<sup>3</sup>J. Agr. Food Chem., 3, 236 (1955).

<sup>4</sup>Poultry Sci., 31, 603 (1952).

### MISCELLANEOUS FEEDS

Ninety unofficial samples of feed and fodder materials were examined. This total included commercial feeding stuffs analyzed at the request of purchasers and dealers, as well as a number of samples of hay and silage submitted by farmers. Three feeds were examined for the Federal Correctional Institution at Danbury (one of which contained sulfaquinoxaline), and check analyses were run on two medicated feed samples for the Regulatory Service of the Massachusetts Agricultural Experiment Station. Five fish foods submitted by a local veterinarian were analyzed for moisture.

As usual, a number of materials were submitted because they were suspected of having caused the illness or death of poultry or other animals. Only one reasonably clear-cut case of poisoning was found, and this involved not a feed but a pan from which a cow had been drinking (404) that had a deposit of lead-zinc paint on it. Analyses of three other samples were more or less abnormal, however: (1), a sample of Grandin's Complete Egg Mash, made by D. H. Grandin Milling Co., Jamestown, N. Y. (9743), contained 1.87 per cent of salt, an excessive quantity for a poultry feed; (2), an unidentified "Terramycin Vitamin B<sub>12</sub>" concentrate (1432) contained 10 parts per million of lead, which is a rather high value for a feed product; and (3), a dog food (1545) was moldy. In addition, a poultryman submitted two samples of a sulfaquinoxaline mixture, which he had been feeding continuously to his flocks (9258 and 9282), that contained 0.1 per cent of sulfaquinoxaline; such a percentage is too high for continuous feeding and could have been toxic to the birds, but since the correct percentage was plainly declared on the tags, the fault did not lie with the manufacturer.

### BIOLOGICAL SPECIMENS EXAMINED FOR POISONS

Two hundred and one biological specimens were examined in connection with suspected poisoning, mostly of domestic animals and poultry. In 73 of these, poisonous substances were found in sufficient quantity to suggest probable or possible causes of death.

The poisonous materials, and the number of specimens in which they were found, are summarized as follows: Antimony with barium (1), antimony with lead (1), arsenic (1), beryllium (3), cyanide (1), DDT (1), hydrochloric acid (1), lead (32), lead with zinc (5), mercury (12), a puncture wound (1), strychnine (2), thallium (3), zinc (8) and wild cherry (1).

The three beryllium cases were filters submitted by the Bureau of Industrial Hygiene of the State Department of Health, and represented factory surveys to determine potential hazards to workers rather than actual cases of poisoning. The twelve mercury poisoning cases almost all involved chinchillas or minks; mercury was unquestionably present in the livers of these animals, but the source of the mercury was never established. The "puncture wound" was in the back of a pigeon that its owner suspected had been shot; examination by the Department of Animal Diseases of the University of Connecticut proved, however, that the wound was caused not by a bullet but by some sharp object. The



wild cherry case is listed separately from that of cyanide poisoning because, while wild cherry leaves were identified microscopically in the cow's rumen, the specimen did not give a positive test for cyanide — presumably because the cyanide originally present had become decomposed. The only arsenic poisoning case was that of some bees; the quantity of arsenic found was very small (0.08 part per million of  $\text{As}_2\text{O}_3$ ). The case of hydrochloric acid poisoning involved three fish (one brown trout and two suckers) taken from a brook that had become contaminated with the overflow from the sewage disposal system of the laundry of one of the State hospitals. All three thallium and both strychnine cases were dogs; the quantities of strychnine found in the stomach contents were respectively 0.16 and 0.03 per cent. The one case of DDT poisoning was that of four pheasants who died shortly after a 25 per cent solution of DDT in fuel oil was sprayed in the immediate vicinity; analysis of the combined livers showed 22 parts per million of DDT and 59 p.p.m. of DDE (a metabolism product of DDT).

### CHECK FEEDS

Six feed samples were analyzed in the check feed program sponsored by the Association of American Feed Control Officials, and 10 samples of alfalfa were analyzed for carotene in a program also sponsored by that association. One mineral feed was analyzed in a collaborative study of methods for the determination of copper which was conducted by the Association of Official Agricultural Chemists.

### DETERMINING GUARANTIES

The most reliable way to determine safe guaranties for feed mixtures is by analysis. Larger manufacturers with laboratory facilities follow this method. Small manufacturers and home mixers are without such facilities and they must resort to other means. A close estimate can be made by a simple calculation using as a guide the analysis tags on the ingredients to be mixed.

If, for example, a mixture is to be made with cottonseed meal, corn meal, ground oats, gluten feed and wheat bran as ingredients, we may assume that the tags for these several ingredients show the following percentages of protein, fat and fiber:

Ingredient	Protein per cent (lbs. per 100)	Fat per cent (lbs. per 100)	Fiber per cent (lbs. per 100)
Cottonseed meal .....	41	7	11
Corn meal .....	24	2	11
Ground oats .....	12	5	11
Gluten feed .....	25	2	7
Wheat bran .....	16	5	10

Remembering that per cent means pounds per 100 pounds, then 100 pounds of each of the materials listed above will contain the number of pounds of the several nutrients shown.

If the formula to be mixed calls for the pounds of ingredients shown in column 1 below, then the pounds of the several nutrients will be as shown in columns 2, 3 and 4. The total weight of the mix is seen to be one ton (20 hundred pounds), so the analysis of the finished product is found by dividing the totals by 20, or by moving the decimal point one place to the left and dividing by 2.

### Example

Column 1		<sup>2</sup> Protein lbs.	<sup>3</sup> Fat lbs.	<sup>4</sup> Fiber lbs.
Cottonseed meal . . . . .	200 lbs.	82	14	22
Corn meal . . . . .	200 lbs.	48	4	22
Ground oats . . . . .	600 lbs.	72	30	66
Gluten feed . . . . .	300 lbs.	75	6	21
Wheat bran . . . . .	700 lbs.	112	35	70
Totals	2,000 lbs.	389	89	201
Per cent		19.45	4.45	10.05

Mixers should remember that for protein and fat the guaranties are minimum values; for fiber the guaranty is the maximum. In other words, the manufacturer guarantees that protein and fat will not be less than the percentages declared, and in the case of fiber that it will not exceed the figure declared.



TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
<b>Ackerman-Beardsley-Bennett, Inc.</b> <b>Albany, N. Y.</b>									
533	Corn Distillers Dried Grains	Seymour: Seymour Grain & Coal Co.	8.90	30.63	25.00	5.62	5.00	11.51	15.00
<b>Acme-Evans Company, Inc.</b> <b>Indianapolis, Ind.</b>									
8890	Acme Hominy	Mystic: C. W. Campbell Co.	10.51	11.19	9.00	7.56	7.00	3.76	6.00
8868	Acme Wheat Bran	Groton: C. W. Campbell Co.	9.50	15.06	14.00	4.57	3.00	7.61	9.50
<b>Adams Packing Association, Inc.</b> <b>Auburndale, Fla.</b>									
1116	Adams Dried Citrus Pulp	Oneco: L. B. Whitford	10.79	7.38	6.00	4.31	3.00	12.30	20.00
<b>Albers Milling Company</b> <b>Los Angeles, Calif.</b>									
1057	Calf Manna	Lakeville: Community Service, Inc.	9.37	27.31	25.00	4.56	3.50	4.36	5.50
<b>Allied Mills, Inc.</b> <b>Chicago, Ill.</b>									
589	June Pasture (Alfalfa Meal and Beet Molasses)	Plainville: Sunshine Feed Store	13.59	13.50	10.00	2.58	0.50	15.41	26.00
984	Wayne Breeder Mash	Winsted: C. S. Roberts & Sons	9.44	23.55	20.00	3.33	3.00	4.96	5.50
949	Wayne Calfnip	Suffield: A. C. Wetherell	7.86	23.50	23.00	0.83	0.50	0.06	0.25
948	Wayne Calf Starter	Suffield: A. C. Wetherell	11.31	17.75	16.00	4.11	3.00	5.02	9.00
945	Wayne Calf Supplement	Suffield: A. C. Wetherell	10.16	25.38	24.00	3.06	3.00	5.62	8.00
8518	Wayne Chick Feed	Plainville: Sunshine Feed Store	9.60	11.13	9.00	4.83	2.00	1.59	4.00

1079	Wayne 16% Dairy	Cornwall Bridge: R. W. Sand- meyer	9.39	18.75	16.00	3.68	3.00	6.89	9.00
1080	Wayne 20% Dairy	Cornwall Bridge: R. W. Sand- meyer	10.64	23.13	20.00	4.44	3.00	6.69	9.00
578	Wayne Egg Mash	Plainville: Sunshine Feed Store	10.57	20.31	20.00	3.68	3.00	5.33	5.50
1081	Wayne Fitting Ration	Cornwall Bridge: R. W. Sand- meyer	9.36	17.63	13.00	5.17	3.00	7.25	8.50
982	Wayne Growing Mash	Winsted: C. S. Roberts & Sons	5.76	22.38	20.00	2.54	2.50	3.61	5.50
587	Wayne Horse Feed	Plainville: Sunshine Feed Store	13.42	12.69	9.00	3.43	2.50	5.76	12.00
585	Wayne Mash Layer	Plainville: Sunshine Feed Store	11.86	23.06	20.00	2.59	3.00	5.50	7.00
8519	Wayne Mink Meal	Plainville: Sunshine Feed Store	6.85	27.19	25.00	2.53	2.00	3.88	5.00
8517	Wayne Pork Maker	Plainville: Sunshine Feed Store	7.42	17.81	14.00	5.33	3.00	5.00	8.00
590	Wayne Rabbit Ration	Plainville: Sunshine Feed Store	10.28	18.94	17.00	3.64	2.00	11.89	15.00
8504	Wayne Ranch Meal	Plainville: Sunshine Feed Store	7.16	18.75	14.00	3.35	1.50	3.42	5.50
588	Wayne Test Cow Ration	Plainville: Sunshine Feed Store	11.94	18.88	16.00	4.41	4.00	6.10	9.00
1450	Wayne Turkey Growing Mash	Plainville: Sunshine Feed Store	10.91	20.81	20.00	3.69	2.50	5.09	6.00
1451	Wayne Universal Breeder	Plainville: Sunshine Feed Store	12.07	18.50	16.00	4.82	2.50	4.86	4.50
1449	Wayne Universal Dairy Feed	Plainville: Sunshine Feed Store	12.06	17.50	14.00	3.58	3.00	8.10	9.00
8505	Wayne Universal Egg (An All Mash Feed)	Plainville: Sunshine Feed Store	8.02	17.56	16.00	3.08	2.50	4.40	4.50
8516	Wayne Universal Grower (An All Mash Feed)	Plainville: Sunshine Feed Store	7.70	19.81	16.00	3.85	2.50	4.60	4.50
586	Wayne Universal Turkey Grower	Plainville: Sunshine Feed Store	11.56	20.00	18.00	3.34	2.50	4.82	5.00
<b>Almonte Flour Mills, Ltd.</b>									
<b>Almonte, Ontario, Canada</b>									
865	"Shorts"	Manchester: Central Conn. Co-Op Farmers Assn., Inc.	12.97	16.19	16.00	5.09	5.00	7.07	8.00
<b>Amaren Trading Corp.</b>									
<b>New York, N. Y.</b>									
1621	Plain Dried Beet Pulp	Norwich: A. E. Shedd Co.	10.36	10.31	8.00	0.36	0.30	18.59	22.50
<b>American Crystal Sugar Company</b>									
<b>Denver, Colo.</b>									
1063	Plain Dried Beet Pulp	Willimantic: Checkerboard Feed Store	10.43	9.05	7.50	0.53	0.30	19.02	22.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
American Maize-Products Company New York, N. Y.									
890	Amaizo Gluten Meal	Jewett City: Machnicki's Grain Store	9.96	43.69	41.00	2.59	1.00	1.98	6.00
866	Amaizo Gluten Meal	Manchester: Central Conn. Co-Op Farmers Assn., Inc.	10.09	45.50	41.00	2.08	1.00	2.41	6.00
692	Cream of Corn Gluten Feed	Colchester: P. Cutler, Inc.	10.15	22.31	21.00	3.51	2.00	7.12	9.50
1452	Cream of Corn Gluten Feed	Bloomfield: Farmers Exchange, Inc.	9.42	21.44	21.00	3.56	2.00	7.14	9.50
Archer-Daniels-Midland Company Minneapolis, Minn.									
1209	Archer Quality 34% Protein Solvent Ex- tracted Linseed Oil Meal	Norwalk: The Libner Grain Co., Inc.	11.21	36.38	34.00	1.29	0.50	7.76	10.00
9294	Archer Quality 36% Protein Solvent Ex- tracted Linseed Oil Meal	Shelton: Wolf Savitsky & Sons, Inc.	11.26	37.69	36.00	0.52	0.50	8.56	10.00
8443	Archer Quality 44% Protein Solvent Ex- tracted Soybean Oil Meal	Wallingford: A. E. Hall	9.67	45.25	44.00	0.88	0.50	6.94	7.00
Arlington Dehydrator Co. Arlington, Neb.									
575	Elkhorn Valley Alfalfa Meal 17%	Plantsville: C. A. Cowles, Inc.	6.86	19.63	17.00	3.69	1.75	21.86	27.00
The Beacon Milling Company, Inc. Cayuga, N. Y.									
933	Auburn "16"	Portland: Anderson Farm Supply, Inc.	12.94	20.31	16.00	2.83	3.00	6.47	10.00
800	Auburn "20"	Southbury: H. H. Stone & Sons	11.42	22.06	20.00	4.19	3.00	6.53	10.00

883	Beacon "16"	Jewett City: Machnick's Grain Store	11.31	17.38	16.00	3.59	3.50	8.47	9.00
8867	Beacon "20"	New London: New London Grain Co.	9.14	20.81	20.00	3.48	3.25	7.67	9.00
811	Beacon Balancer Pellets	Glenbrook: Frank Policastro & Sons	11.31	21.06	20.00	3.32	3.00	4.22	6.00
798	Beacon Broiler Finisher	Southbury: H. H. Stone & Sons	11.01	19.88	18.00	4.17	3.00	4.15	4.75
932	Beacon Calf Grain	Portland: Anderson Farm Supply, Inc.	12.26	15.31	14.00	4.66	3.25	8.56	9.00
1105	Beacon Chick Grains	Willimantic: Beacon Grain Store	11.15	13.44	10.00	5.37	3.00	1.46	2.50
1186	Beacon Complete Rabbit Pellets	New London: New London Grain Co.	9.97	18.75	17.00	5.19	3.50	10.21	13.00
8862	Beacon Dairy Fitting	New London: New London Grain Co.	9.16	15.38	14.00	3.78	3.25	7.94	9.00
812	Beacon Duck Finisher	Glenbrook: Frank Policastro & Sons	11.54	17.13	15.00	3.24	3.50	4.36	7.00
801	Beacon Duck Grower	Southbury: H. H. Stone & Sons	10.68	18.63	17.50	4.36	3.00	4.61	7.00
701	Beacon "22" Egg Mash	Danbury: Barnum Feed Store	9.96	22.25	22.00	4.19	3.00	4.46	5.75
722	Beacon Goat Ration	Bantam: Washington Supply Co., Inc.	11.32	19.38	16.00	3.33	3.00	5.67	10.00
799	Beacon Grower All-Mash	Southbury: H. H. Stone & Sons	9.86	17.06	16.00	5.56	3.50	5.28	6.00
705	Beacon "18" Growing Mash	Danbury: Barnum's Feed Store	9.55	19.31	18.00	3.58	3.50	5.60	6.25
721	Beacon Horse Feed	Bantam: Washington Supply Co., Inc.	11.93	14.50	13.00	3.39	3.00	6.27	9.00
797	Beacon Market Egg All-Mash	Southbury: H. H. Stone & Sons	10.51	17.88	17.00	5.19	3.00	3.39	5.00
1106	Beacon Poultry Fitting	Willimantic: Beacon Grain Store	10.71	15.00	11.00	3.64	3.00	3.61	7.50
813	Beacon Sow Feed	Glenbrook: Frank Policastro & Sons	11.50	17.94	14.00	3.58	3.00	8.51	12.00
935	Beacon Steer Fattener	Portland: Anderson Farm Supply, Inc.	12.66	12.31	11.00	3.04	3.00	3.61	7.07
1107	Beacon "14" Test Cow Ration	Willimantic: Beacon Grain Store	9.89	15.19	14.00	4.43	4.00	7.86	9.00
723	Beacon "18" Test Cow Ration	Bantam: Washington Supply Co., Inc.	11.37	19.63	18.00	5.14	4.00	7.71	9.00
1184	Beacon Turkey and Game Bird Fitting	New London: New London Grain Co.	11.37	11.75	10.00	3.62	3.00	4.18	9.00
724	Beacon Turkey and Game Bird Grower	Bantam: Washington Supply Co., Inc.	9.36	26.06	24.00	5.17	3.50	4.11	6.00
8865	Beacon Turkey and Game Bird Starter	New London: New London Grain Co.	8.46	30.13	28.00	5.07	3.50	3.90	4.75







**Bremco Alfalfa Mills, Inc.**  
New Bremen, Ohio

1634 Medogreen Alfalfa Meal ..... Manchester: Central Conn. Co-Op Assn., Inc. .... 7.89 19.19 15.00 2.14 1.50 25.26 30.00

**L. Broder & Co., Inc.**  
Colchester, Conn.

1379 L. B. 16% Milk Ration ..... Colchester: L. Broder & Co., Inc. .... 11.06 17.50 16.00 3.51 3.50 6.89 8.00

**Brooklawn Grain & Feed Co.**  
Bridgeport, Conn.

517 Brooklawn 16% Dairy Ration ..... Bridgeport: Brooklawn Grain & Feed Co. .... 9.10 16.75 16.00 4.84 4.00 7.85 9.00  
8415 Brooklawn Egg Mash ..... Bridgeport: Brooklawn Grain & Feed Co. .... 9.39 18.25 18.00 **2.90** 4.00 4.96 6.00  
8436 Brooklawn Starter-Broiler ..... Bridgeport: Brooklawn Grain & Feed Co. .... 10.36 21.50 18.00 **3.48** 4.00 5.18 5.00  
516 Brooklawn Sweet Mix ..... Bridgeport: Brooklawn Grain & Feed Co. .... 10.11 17.88 15.00 4.34 3.50 7.72 8.50

**The Buckeye Cotton Oil Company**  
Cincinnati, Ohio

514 Buckeye 44% Protein Solvent Extracted Soybean Oil Meal ..... Shelton: Wolf Savitsky & Sons, Inc. .... 11.11 47.38 44.00 0.81 0.50 4.74 7.00

**Caldwell & Co.**  
Madison, Ga.

8892 Caldwell's Choice 41% Protein Cottonseed Meal ..... Pawcatuck: The C. W. Campbell Co. .... 7.91 40.81 41.00 6.17 5.00 9.46 13.00

**Camden Grain Co.**  
Camden, N. J.

506 Camden Brand Dried Brewers Grain .. Derby: Derby Feed Store ..... 8.11 31.94 24.00 7.00 6.00 11.57 17.00

**Camp Milling Co.**  
Walton, N. Y.

8404 Hurlburt's Empire Complete Rabbit Pellets ..... Fairfield: Fairfield Grain & Seed Co. .... 9.01 17.75 16.00 3.00 3.00 13.57 20.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Moisture	Protein (N x 6.25)		Fat		Fiber
				Found	Guaran- teed not less than	Found	Guaran- teed not less than	
The C. W. Campbell Co. Westerly, R. I.								
11181	Best Pig & Hog Ration	Pawcatuck: The C. W. Campbell Co.	9.77	20.63	15.00	4.29	4.00	6.81 8.00
88889	Camco Horse Feed	Mystic: The C. W. Campbell Co.	11.66	10.75	10.00	4.00	3.00	5.25 10.00
11173	16% Coarse Dairy Ration	Pawcatuck: The C. W. Campbell Co.	11.06	20.63	16.00	3.39	3.00	6.41 8.00
11179	14% Dairy Ration	Pawcatuck: The C. W. Campbell Co.	7.51	16.69	14.00	4.61	3.00	6.56 9.00
8891	16% Dairy Ration	Mystic: The C. W. Campbell Co.	10.70	16.94	16.00	4.28	3.00	6.79 8.00
88872	Economical Stock Feed	Groton: The C. W. Campbell Co.	8.26	7.44	7.00	2.19	1.00	16.49 19.00
88900	Egg-O-Chick Starter & Broiler Ration	Pawcatuck: The C. W. Campbell Co.	9.62	22.56	20.00	4.25	4.00	5.58 7.50
88903	Egg-O-Complete Layer	Pawcatuck: The C. W. Campbell Co.	10.42	18.94	16.00	3.90	3.50	3.80 4.50
88888	Egg-O-Grower	Mystic: The C. W. Campbell Co.	9.86	22.06	20.00	4.99	3.50	4.65 8.00
88871	Egg-O-Laying Mash	Groton: The C. W. Campbell Co.	9.00	21.38	20.00	4.10	3.50	4.51 8.00
11180	Egg-O-Special Broiler	Pawcatuck: The C. W. Campbell Co.	10.77	24.31	20.00	3.82	3.50	3.85 5.00
11182	Egg-O-22% Turkey Finisher	Pawcatuck: The C. W. Campbell Co.	10.16	19.06	22.00	3.08	3.50	5.26 8.00
11183	Egg-O-Turkey Grower	Pawcatuck: The C. W. Campbell Co.	9.80	20.50	20.00	4.89	3.50	5.47 8.00
88869	12% Fitting Ration	Groton: The C. W. Campbell Co.	9.72	13.81	12.00	3.15	3.00	6.62 9.00
8902	Lassagras	Pawcatuck: The C. W. Campbell Co.	8.35	12.06	10.00	3.09	2.00	13.34 16.00
11177	Sheep & Goat Feed	Pawcatuck: The C. W. Campbell Co.	11.80	17.88	15.00	2.94	3.00	6.46 9.00

**The Canada Linseed Oil Mills, Ltd.**  
**Montreal, Quebec, Canada**

1164	Maple Leaf 35% Protein Pure Linseed Oil Cake Meal .....	Pawcatuck: The C. W. Campbell Co. ....	11.16	35.25	35.00	5.59	3.50	7.47	9.00
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**The Canada Starch Co., Ltd.**  
**Toronto, Canada**

8367	Edwardsburg Brand 23% Corn Gluten Feed .....	Ansonia: Reliable Grain & Fuel Co. ....	7.94	27.63	23.00	2.90	2.50	7.45	10.00
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**The A. B. Caple Co.**  
**Toledo, Ohio**

1554	Alfalfa Stem Meal .....	Norwich: The Yantic Grain & Products Co. ....	11.69	15.25	9.00	2.19	0.80	29.41	40.00
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**Cargill, Inc.**  
**Minneapolis, Minn.**

8359	Cargill Incorporated 44% Protein Solvent Extracted Soybean Oil Meal .....	Seymour: Seymour Grain & Coal Co. ....	8.54	48.25	44.00	1.83	0.50	5.31	7.00
1326	Cargill 34% Protein Solvent Extracted Linseed Oil Meal .....	Shelton: Wolf Savitsky & Sons, Inc. ....	10.16	35.06	34.00	1.75	0.50	8.56	9.50

**Central Conn. Co-Op Farmers' Assoc., Inc.**  
**Manchester, Conn.**

8531	Honest Brand Complete Ration High Energy Growing Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	9.41	18.75	15.00	3.89	3.00	3.44	4.00
8544	Honest Brand Complete Ration High Energy Laying Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	10.01	17.75	15.00	4.14	3.00	3.46	4.00
1631	Honest Brand 16% Dairy .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	10.76	16.00	16.00	3.59	3.50	7.34	9.00
868	Honest Brand Growing Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	10.22	19.50	20.00	4.52	3.50	4.47	8.50
1630	Honest Brand Growing Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	9.91	21.25	20.00	3.84	3.50	5.22	8.50
8530	Honest Brand Laying Pellets .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	8.26	20.38	20.00	4.54	3.00	4.05	8.00
1632	Honest Brand Nu Weight Hi Broiler Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	11.40	21.31	20.00	4.29	3.00	3.90	4.00
8525	Honest Brand Nu Weight Hi Starter Mash .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	10.14	22.25	20.00	3.49	3.00	3.74	4.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	
Central Soya Co., Inc. Fort Wayne, Ind.								
8468	Central Star Brand 44% Protein Solvent Extracted Soybean Oil Meal	Middletown: Meech & Stoddard, Inc.	8.76	48.00	44.00	0.74	5.12	7.00
S. J. Cherry & Sons, Ltd. Preston, Canada								
8466	Wheat Bran	Middletown: Meech & Stoddard, Inc.	9.41	15.94	14.00	5.07	3.50	10.05
8467	Wheat Shorts	Middletown: Meech & Stoddard, Inc.	9.41	16.69	15.00	5.19	5.00	7.21
Citrus Feed Co. Lakeland, Florida								
1563	Fosgate's Ace High All Sweet Dried Cit- rus Pulp	Plantsville: C. A. Cowles, Inc.	10.17	7.19	6.00	3.94	2.50	10.92
Clinton Foods, Inc. Florida Products Div. Auburndale, Fla.								
1315	Maxcy Feeds Dried Citrus Pulp	Moosup: Moosup Grain Co.	9.26	6.69	6.00	3.71	2.50	11.20
9068	McDonald Brand Dried Citrus Pulp	Abington: Abington Grain Co.	8.51	6.31	6.00	3.85	2.50	10.05
Clinton Foods, Inc. Clinton, Iowa								
845	Clinton Corn Gluten Feed	South Coventry: E. W. Latimer	12.11	23.75	21.00	1.40	2.00	7.31
8444	Clinton Corn Gluten Meal	Wallingford: A. E. Hall	7.78	44.94	41.00	2.28	1.00	4.48
1334	Clinton 21% Protein Corn Gluten Feed	Shelton: Wolf Savitsky & Sons, Inc.	8.74	21.75	21.00	1.98	2.00	8.91



**Clinton Foods, Inc.**  
**Frostproof, Fla.**

1335 Maxcy Feeds Dried Citrus Meal ..... Shelton: Wolf Savitsky & Sons, Inc. .... 9.16 10.88 6.00 2.83 2.50 11.06 15.00

**Clyde Milling Corp.**  
**Clyde, N. Y.**

1606 Clyde Dry & Freshening Ration ..... Manchester: Little & McKinney, Inc. .... 10.10 15.25 14.00 4.89 3.50 8.74 8.50  
1599 Clyde Horse Feed ..... Manchester: Little & McKinney, Inc. .... 10.46 15.13 10.00 3.36 2.50 6.72 10.00  
1595 Clyde M-B-F (Meat Bird Finisher) .... Manchester: Little & McKinney, Inc. .... 10.79 18.31 18.00 4.04 3.50 4.81 6.00  
1074 Clyde Milky-Las 15 Dairy Ration ..... Eastford: Wm. S. Warren & Sons 10.70 16.50 15.00 3.76 3.50 12.11 13.00  
1594 Clyde Special Complete Growing Mash Manchester: Little & McKinney, Inc. .... 10.86 21.00 16.00 3.56 3.50 5.32 6.00  
843 Clyde 16 Test Cow Ration (with Pellets) South Coventry: E. W. Latimer .. 10.95 16.75 16.00 4.44 4.00 7.48 8.50  
1603 Clyde Turkey Grower ..... Manchester: Little & McKinney, Inc. .... 9.97 22.19 22.00 3.94 3.50 4.14 5.50  
846 Cottonseed Meal ..... South Coventry: E. W. Latimer .. 9.36 42.50 ..... 4.84 ..... 9.06 .....  
1600 Dried Apple Pomace ..... Manchester: Little & McKinney, Inc. .... 8.26 7.75 5.00 4.27 3.50 19.21 19.00  
1596 New England 16 Dairy Ration ..... Manchester: Little & McKinney, Inc. .... 10.50 17.88 16.00 3.50 3.50 9.26 10.00  
9072 Warren's Dairy Fitting Ration ..... Eastford: Wm. S. Warren & Sons 10.00 16.00 12.00 4.14 3.00 8.23 10.00  
9073 Warren's 16 Dairy Ration ..... Eastford: Wm. S. Warren & Sons 10.62 21.38 16.00 3.75 3.00 10.91 11.00

**Coatsworth & Cooper, Ltd.**  
**Toronto, Canada**

1337 C & C Wheat Bran ..... Shelton: Wolf Savitsky & Sons, Inc. .... 10.76 15.56 15.00 4.73 3.50 9.17 11.50  
1338 C & C Wheat Shorts ..... Shelton: Wolf Savitsky & Sons, Inc. .... 10.42 17.25 16.00 5.54 5.00 6.12 8.00

**Cocke & Co.**  
**Atlanta, Ga.**

1166 Cocke-Sure Brand Prime Quality 41% Protein Cottonseed Meal ..... Pawcatuck: The C. W. Campbell Co. .... 8.81 45.88 41.00 6.50 3.00 7.18 14.00





**Consolidated Products Co.**  
**Danville, Ill.**

1481	"Consolidated's" Dried Whole Whey ..	Norwich: The Yantic Grain & Products Co. ....	6.01	12.63	12.00	0.30	0.50	0.06	.....
1385	New Kaff-A .....	Colchester: Einhorn's Grain Store	6.92	23.00	22.00	<b>2.74</b>	4.00	0.91	2.00

**Consolidated Rendering Co.**  
**Boston, Mass.**

1480	Corenco Feeding Bone Meal .....	Norwich: The Yantic Grain & Products Co. ....	3.86	14.38	10.00	7.94	.....	0.10	.....
1456	Corenco Feeding Bone Meal .....	Bloomfield: Bloomfield Farmer's Exchange, Inc. ....	4.73	13.81	10.00	6.44	.....	0.12	.....
9271	Corenco 47% Meat & Bone Scrap .....	Derby: Derby Feed Store .....	6.92	48.69	47.00	7.84	6.00	.....	.....
1483	Corenco 50% Meat & Bone Scrap .....	Norwich: The Yantic Grain & Products Co. ....	7.56	49.38	50.00	9.42	6.00	1.41	.....

**Continental Distilling Corp.**  
**Philadelphia, Pa.**

869	Dried Corn Distillers Solubles .....	Manchester: Central Conn. Co-Op Farmer's Assoc., Inc. ....	7.44	31 44	28.00	11.06	8.00	3.72	5.00
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**Co-Op Sugar Factory & Refinery**  
**Holland**

987	Plain Dried Beetpulp .....	Winsted: E. Manchester & Sons ..	9.22	9.00	8.00	1.84	0.50	18.23	22.00
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**Copeland Flour Mills, Ltd.**  
**Midland, Ont., Canada**

1289	Dandy Wheat Bran .....	Putnam: Putnam Grain Co. ....	10.91	17.63	14.00	3.50	3.50	9.65	11.50
8528	Dandy Wheat Shorts .....	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc. ....	9.76	18.38	15.00	4.88	4.50	5.90	8.00

**Corn Products Refining Co.**  
**New York, N. Y.**

9272	Buffalo Brand Corn Gluten Feed .....	Derby: Derby Feed Store .....	8.42	27.19	21.00	1.85	1.00	7.62	10.00
9267	Diamond Brand Corn Gluten Meal ...	Derby: Derby Feed Store .....	9.08	<b>34.06</b>	41.00	1.88	1.00	6.49	6.00

**C. A. Cowles, Inc.**  
**Plantsville, Conn.**

8831	Blue C 16% Dairy Ration .....	Plantsville: C. A. Cowles, Inc. ...	11.76	22.38	15.00	4.26	3.00	5.86	8.00
8832	Blue C 20% Dairy Ration .....	Glastonbury: Melzen Grain Co. ...	9.81	18.06	16.00	4.07	3.00	7.98	9.00
1582	Blue C Feed Complete Laying Mash ..	Glastonbury: Melzen Grain Co. ...	10.97	21.50	20.00	3.62	3.00	7.88	10.00

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
				Found		Found		Found
C. A. Cowles, Inc.—Cont. Plantsville, Conn.								
571	Blue C Feed Fitting Ration	Plantsville: C. A. Cowles, Inc.	11.24	18.06	4.08	3.00	7.56	9.00
573	Blue C Feed Growing Mash	Plantsville: C. A. Cowles, Inc.	11.11	19.63	3.71	3.00	5.86	7.50
941	Blue C Feed Hog & Pig Feed	Warehouse Point: Gerish Grain Co.	12.20	17.63	3.97	3.00	8.39	8.00
572	Blue C Feed Laying Mash	Plantsville: C. A. Cowles, Inc.	11.06	21.63	3.74	3.00	7.36	7.50
1565	Blue C Feed Plantsville Dairy Ration	Plantsville: C. A. Cowles, Inc.	10.81	18.31	2.18	3.00	4.49	12.00
1587	Blue C Feed Sheep & Goat Ration	Bristol: C. A. Cowles, Inc.	11.81	14.25	3.71	3.00	5.86	7.00
570	Blue C Feed Turkey Growing Mash	Plantsville: C. A. Cowles, Inc.	11.08	21.88	3.94	3.00	8.08	7.50
8813	Blue C Horse Feed with Molasses	Hartford: H. L. Solloway	10.01	10.50	3.98	3.00	6.87	10.00
9260	Blue C Rabbit Pellets	Bristol: C. A. Cowles, Inc.	9.84	18.19	3.34	3.00	10.22	15.00
9248	Blue C Special Starter & Broiler Feed	Bristol: C. A. Cowles, Inc.	9.76	22.00	2.69	4.00	3.79	4.00
8830	Blue C Super 16% Coarse Dairy Ration	Glastonbury: Melzen Grain Co.	10.06	16.88	4.28	3.00	7.31	9.00
9252	Blue C Super 16% Dairy Ration	Bristol: C. A. Cowles, Inc.	9.37	18.00	4.04	3.50	6.69	7.50
1564	Elco Laying Mash	Plantsville: C. A. Cowles, Inc.	12.72	20.50	3.40	3.00	4.61	7.20
569	High-Energy Elco Complete Lay	Plantsville: C. A. Cowles, Inc.	11.69	16.75	4.12	3.50	4.32	4.70
938	Red C Feed 16% Dairy Ration	South Windsor: South Windsor Grain Co.	12.81	13.81	3.29	3.00	11.11	11.00
1583	Red C Feed Fitting Ration	Plantsville: C. A. Cowles, Inc.	11.91	18.31	3.53	3.00	7.21	11.00
1580	Red C Feed Starting and Growing Mash	Plantsville: C. A. Cowles, Inc.	11.11	22.06	3.75	4.00	6.66	8.00
8812	Red C Laying Mash	Hartford: H. L. Solloway	9.47	17.38	3.58	3.00	7.17	8.50
Chas. M. Cox Co. Boston, Mass.								
730	Wirthmore Baby Chick Scratch	Torrington: F. L. Wadhams & Sons	12.06	11.94	2.78	2.50	1.35	3.50
8911	Wirthmore Breeder Mash	Fitchville: Norwich Grain Co.	10.23	22.06	3.88	3.00	5.55	5.50
985	Wirthmore Calf Starter Meal	Winsted: E. Manchester & Sons	10.04	23.50	4.84	3.50	5.16	7.00



8491	Wirthmore Calving Ration	10.19	15.63	14.00	3.84	3.50	7.68	10.00
706	Wirthmore Challenger Coarse 12 Dairy Ration	10.41	15.81	12.00	3.08	2.00	7.36	12.00
8331	Wirthmore Challenger Coarse 14 Dairy Ration	8.94	17.25	14.00	4.29	3.00	8.90	12.00
861	Wirthmore Challenger Coarse 16 Dairy Ration	12.90	17.44	16.00	4.46	3.00	7.50	12.00
9285	Wirthmore Challenger 16 Dairy Ration	9.80	17.69	16.00	3.89	3.00	6.82	10.00
1099	Wirthmore Complete Breeder Ration	9.93	18.06	15.00	3.29	3.00	4.76	6.00
8304	Wirthmore Complete Chick Starter	11.12	22.06	20.00	3.33	3.00	3.90	5.00
607	Wirthmore Complete Egg Ration	11.21	20.25	15.00	3.70	3.00	3.90	6.00
8840	Wirthmore Complete Growing Ration	9.94	16.50	15.00	4.09	3.00	5.57	6.00
768	Wirthmore 20 Dairy Ration	11.36	20.31	20.00	<b>3.19</b>	3.50	5.86	9.00
1420	Wirthmore 32 Dairy Supplement	10.11	31.56	32.00	<b>2.24</b>	3.00	6.74	8.00
9040	Wirthmore Fattening Pellets	12.22	18.75	17.50	3.15	3.00	3.24	4.50
8298	Wirthmore 14% Fitting Ration	10.97	15.00	14.00	3.98	3.50	6.59	9.00
862	Wirthmore Fodder Greens	13.00	11.50	9.00	3.14	2.00	11.32	18.00
929	Wirthmore Growing Mash	12.33	21.88	18.00	2.94	3.00	4.08	5.50
1189	Wirthmore Hi-Ener-G-Breeder	10.54	18.75	16.00	4.18	3.00	3.56	4.50
9041	Wirthmore Hi-Ener-G-Grower	11.97	17.31	16.00	3.51	3.00	3.64	4.50
8910	Wirthmore Hi-Ener-G-Layer	11.06	17.50	16.00	3.32	3.00	3.92	4.50
931	Wirthmore Hog Grower	12.44	18.94	15.00	3.81	4.00	4.17	6.00
8834	Wirthmore Horse Feed	11.71	11.31	10.00	3.73	3.25	7.63	9.00
608	Wirthmore Improved Hi-Ener-G-Starter and Broiler Ration	11.21	20.81	20.00	3.71	3.00	2.92	4.00
1202	Wirthmore Intermediate Scratch	12.22	13.38	9.50	4.23	2.50	4.17	4.00
9286	Wirthmore Laying Mash	10.87	23.31	20.00	3.20	3.00	5.54	5.50
8305	Wirthmore Morning Call Scratch	12.12	10.25	9.50	2.93	2.50	4.10	4.00
9066	Wirthmore Pig & Sow Feed	10.56	19.63	18.00	4.07	3.50	6.06	8.00
8835	Wirthmore Poultry Fitting Ration	12.17	16.38	12.00	3.00	3.00	6.58	7.00

Kensington: A. S. Labienec ...

Danbury: Benjamin Grain Co. ...

Branford: S. V. Osborn, Est. ....

Stafford Springs: Valley Grain Co.

Ansonia: Ansonia Feed Co. ....

New Milford: Soule Grain Co. ...

Cheshire: Center Grain Co. ....

New Britain: C. W. Lines Co. ...

Centerbrook: S. M. Prann, Inc.

Torrington: F. L. Wadhams &amp; Sons

Torrington: Litchfield Co. Co-Op Assoc.

Plainfield: Dayville Grain &amp; Feed Co.

New Haven: Westville Grain Co.

Stafford Springs: Valley Grain Co.

Middlefield: Middlefield Grain &amp; Coal Co.

Clinton: Clinton Grain Co. ....

Plainfield: Dayville Grain &amp; Feed Co.

Fitchville: Norwich Grain Co. ...

Cromwell: F. I. Nordgren

Glastonbury: Sharpwell Implement Service

New Britain: C. W. Lines Co. ...

Stepney: Wirthmore Grain &amp; Coal Co.

Ansonia: Ansonia Feed Co. ....

Cheshire: Center Grain Co. ....

Danielson: Dayville Grain &amp; Feed Co.

Glastonbury: Sharpwell Implement Service



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Manufacturer and brand		Retail dealer in Connecticut	Pounds per hundred (or per cent)						Station No.
			Moisture	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaranteed less than	Found	Guaranteed less than		
Chas. M. Cox Co.,—Cont.									
Boston, Mass.									
707	Wirthmore Poultry Flush	Danbury: Benjamin Grain Co. . .	8.60	17.19	15.00	3.32	2.50	4.09	6.00
873	Wirthmore Producer 16 Dairy Ration	Willimantic: Willimantic Grain Co. . . . .	8.16	19.63	16.00	3.51	3.00	7.00	10.00
9067	Wirthmore Rabbit Pellets	Danielson: Dayville Grain & Feed Co. . . . .	9.44	21.88	18.00	3.72	3.50	9.12	12.00
8490	Wirthmore 16 Record Ration	Kensington: A. S. Labieniec . . . . .	9.81	17.69	16.00	3.84	3.50	6.87	9.00
951	Wirthmore Scratch Feed	Suffield: The Spencer Co. . . . .	11.71	11.75	9.50	2.59	2.50	2.60	4.00
725	Wirthmore Sheep and Goat Ration	Bantam: Washington Supply Co., Inc. . . . .	10.67	16.75	16.00	5.11	3.50	7.10	9.00
8839	Wirthmore Stock Feed	Centerbrook: S. M. Prann, Inc. . . . .	9.60	12.19	10.00	4.10	3.00	8.62	11.00
930	Wirthmore Super Pellets	Middlefield: Middlefield Grain & Coal Co. . . . .	10.68	22.75	20.00	2.75	3.00	3.91	5.50
905	Wirthmore Turkey Breeder Ration	New Haven: R. G. Davis & Sons . . . . .	10.91	26.38	24.00	4.74	3.00	5.04	7.00
986	Wirthmore Turkey Fattening Ration	Winsted: E. Manchester & Sons . . . . .	10.06	18.00	16.00	4.57	3.00	5.20	6.50
950	Wirthmore Turkey Growing Ration	Suffield: The Spencer Co. . . . .	10.16	21.19	20.00	3.24	3.00	4.74	6.50
1190	Wirthmore Turkey Starter Ration	Clinton: Clinton Grain Co. . . . .	10.00	28.50	28.00	2.78	3.00	4.21	5.50
539	Wirthmore Twin-Mix Calf Ration	Watertown: The Watertown Co-Op Assoc., Inc. . . . .	11.86	18.94	17.00	4.94	3.00	5.54	8.00
Crawford Bros., Inc.									
Walton, N. Y.									
9240	Complete Chick Starter Mash	Eastford: Wm. S. Warren & Sons . . . . .	9.22	19.13	20.00	4.28	3.50	6.05	8.50
9242	Complete Egg Mash	Eastford: Wm. S. Warren & Sons . . . . .	8.36	15.44	15.00	4.07	3.50	8.26	8.50
605	Complete Growing Mash	New Britain: The Hugh Reynolds Grain & Feed . . . . .	10.65	14.44	15.00	4.06	3.50	7.86	8.50
603	20% Dairy Ration	New Britain: The Hugh Reynolds Grain & Feed . . . . .	12.21	23.94	20.00	4.31	3.00	7.80	10.00

910	14% Dry & Freshening	Wallingford: D. W. Ives	11.54	15.50	14.00	3.23	3.50	10.19	10.50
909	14% Fitting Ration	Wallingford: D. W. Ives	10.69	16.38	14.00	4.46	3.50	10.86	11.00
9237	Hi-Energy Starter and Broiler Mash	Eastford: Wm. S. Warren & Sons	9.82	22.31	21.00	4.84	4.00	4.08	5.00
9238	Horse Feed	Eastford: Wm. S. Warren & Sons	10.47	9.94	9.00	3.65	3.50	7.10	9.50
9239	Laying Mash	Eastford: Wm. S. Warren & Sons	7.24	21.88	20.00	4.36	3.50	7.98	8.50
908	16% Milk Flow	Wallingford: D. W. Ives	11.90	17.50	16.00	3.79	3.50	10.31	11.00
1078	Poultry Finishing Feed	Eastford: Wm. S. Warren & Sons	16.00	13.63	12.00	3.54	3.50	5.00	6.50
604	Rabbit Pellets	New Britain: The Hugh Reynolds							
		Grain & Feed	10.86	18.31	16.00	3.94	3.00	11.00	18.50
602	Scratch Grain	New Britain: The Hugh Reynolds							
		Grain & Feed	13.34	11.06	9.00	4.00	2.50	1.97	5.00
9241	Turkey Growing Mash	Eastford: Wm. S. Warren & Sons	8.67	20.50	18.00	3.52	3.50	8.53	8.50
1073	Warren's Milkproducer 16% Dairy Feed	Eastford: Wm. S. Warren & Sons	10.61	17.44	16.00	3.20	3.50	10.73	11.00
<b>P. Cutler, Inc.</b>									
<b>Colchester, Conn.</b>									
691	Prosperity Dairy Ration	Colchester: P. Cutler, Inc.	12.52	19.81	16.00	3.82	3.75	5.51	10.00
1381	Prosperity Laying Mash	Colchester: P. Cutler, Inc.	9.29	20.94	17.00	3.39	3.50	6.74	10.00
<b>Dailey Mills, Inc.</b>									
<b>Olean, N. Y.</b>									
8496	Candy Horse Feed	New Britain: The Hugh Reynolds	6.66	9.56	11.00	3.34	3.00	8.37	10.50
		Grain & Feed							
8497	Double Diamond Baby Chick Grains	New Britain: The Hugh Reynolds	6.54	11.06	9.00	3.23	3.00	1.15	4.00
		Grain & Feed							
8500	Double Diamond Complete Egg Producer	New Britain: The Hugh Reynolds	7.21	15.06	15.00	3.41	4.00	7.16	8.00
8499	Double Diamond Complete Grower	New Britain: The Hugh Reynolds							
		Grain & Feed	6.82	17.69	15.00	3.76	4.50	7.01	7.00
8458	Double Diamond H1cal 14% Body Builder	Wallingford: D. W. Ives	9.19	15.81	14.00	3.84	3.25	7.05	7.50
8498	Double Diamond H1cal Rabbit Pellets	New Britain: The Hugh Reynolds							
		Grain & Feed	6.54	15.81	12.00	3.77	3.00	9.29	12.00
8495	Double Diamond H1cal Starter Broiler	New Britain: The Hugh Reynolds							
		Grain & Feed	10.25	23.25	20.00	3.59	3.50	3.36	4.00
8450	Double Diamond H1cal 16% Test Ration	Wallingford: D. W. Ives	8.46	18.50	16.00	3.50	3.50	7.43	8.00
8451	Double Diamond 16% Milk Producer	Wallingford: D. W. Ives	8.52	18.75	16.00	4.14	3.50	8.14	9.50

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moist- ure	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaran- teed not less than	Found	Guaran- teed not less than		
<b>Dailey Mills, Inc.—Cont.</b>									
<b>Olean, N.Y.</b>									
8492	Double Diamond 20% Milk Producer ..	New Britain: The Hugh Reynolds Grain & Feed .....	8.44	22.19	20.00	4.68	3.50	8.39	10.00
8501	Double Diamond 14% Pelleted Fitting Ration .....	New Britain: The Hugh Reynolds Grain & Feed .....	8.11	16.69	14.00	3.46	3.50	6.28	10.00
8494	Double Diamond Pig & Hog .....	New Britain: The Hugh Reynolds Grain & Feed .....	8.54	14.38	13.00	4.79	4.00	7.93	8.00
8493	Egg Producer .....	New Britain: The Hugh Reynolds Grain & Feed .....	9.21	23.31	20.00	4.70	3.00	6.62	8.90
<b>Dairymen's League Co-Op Assoc., Inc.</b>									
<b>Utica, N. Y.</b>									
1410	Dairylea Choice Feed Grade Dried Skim Milk .....	Middletown: Meech & Stoddard, Inc. ....	8.36	32.81	33.00	0.38	0.50	0.22	.....
<b>R. G. Davis &amp; Sons, Inc.</b>									
<b>New Haven, Conn.</b>									
904	Davis 16% Dairy Feed .....	New Haven: R. G. Davis & Sons, Inc. ....	11.57	17.38	16.00	4.83	3.50	8.69	11.00
8303	Davis Egg Mash .....	Cheshire: Center Grain Co. ....	9.06	22.06	20.00	3.00	2.50	6.20	7.00
8299	Davis Horse Feed .....	New Haven: Westville Grain Co.	18.09	9.47	9.00	3.15	2.00	5.89	10.00
902	New England College Conference Grow	New Haven: R. G. Davis & Sons, Inc. ....	11.88	19.38	17.94	<b>2.37</b>	3.90	4.27	5.90
903	New England College Conference Lay	New Haven: R. G. Davis & Sons, Inc. ....	12.27	18.94	17.00	3.29	3.00	3.65	6.00
<b>Dawe's Manufacturing Co.</b>									
<b>Chicago, Ill.</b>									
8472	Flavonne Ribo-D .....	Middletown: Meech & Stoddard, Inc. ....	8.91	33.38	31.00	1.34	1.00	7.48	7.00



1127	Flavonne Ribo-D Special Blend No. 660	Guilford: Fred C. Morse & Son	11.11	35.88	31.00	1.25	1.00	4.80	7.00
1409	Special Mix No. 3065, Lot No. 1722	Middletown: Meech & Stoddard, Inc.	10.61	35.13	33.00	2.36	1.00	4.17	7.00
<b>Dawnwood Farms</b>									
<b>Amenia, N. Y.</b>									
9289	Dawnwood Farms Caf-Star - A Formula Feed for Calves	Newtown: Newtown Farm Supply Co.	8.42	30.25	26.00	3.37	3.00	2.11	3.00
1187	Homco Hominy Feed	New London: New London Grain Co.	11.06	12.50	9.00	7.11	5.00	4.20	6.00
<b>Decatur Milling Co., Inc.</b>									
<b>Decatur, Ill.</b>									
<b>Delaware Mills, Inc.</b>									
<b>Deposit, N. Y.</b>									
1562	Delaware Broiler Finisher	North Stonington: Samuel Stewart	11.11	19.06	18.00	4.44	3.00	4.73	5.00
687	Delaware Egg Mash	Colchester: P. Cutler, Inc.	11.01	21.00	20.00	2.68	2.50	5.45	6.00
1560	Delaware Fitting Ration	North Stonington: Samuel Stewart	11.85	15.63	14.00	4.32	3.00	9.31	11.00
688	Delaware Growing Mash	Colchester: P. Cutler, Inc.	11.24	20.63	18.00	3.14	2.50	6.11	6.00
1561	Delaware H-E Layer & Breeder	North Stonington: Samuel Stewart	11.38	16.63	16.50	4.14	3.00	3.71	4.50
686	Delaware Sweet 16% Dairy Feed with Pellets	Colchester: P. Cutler, Inc.	12.16	16.63	16.00	3.91	3.50	8.27	10.00
689	Delaware 18% Test Ration	Colchester: P. Cutler, Inc.	11.31	20.69	18.00	3.93	4.00	7.09	9.00
1559	Delaware Turkey Developer	North Stonington: Samuel Stewart	10.66	19.69	20.00	4.74	2.50	7.22	6.50
<b>Derby Feed Store</b>									
<b>Derby, Conn.</b>									
9275	Litsky's Hi-Energy All Mash Grower	Derby: Derby Feed Store	9.71	18.50	16.00	4.70	3.50	3.80	4.00
9273	Litsky's Hi-Energy All Mash Layer	Derby: Derby Feed Store	8.87	16.75	16.00	5.84	3.50	4.51	4.00
503	Litsky's Hi-Energy Layer	Derby: Derby Feed Store	10.53	21.13	20.00	5.21	3.25	3.62	4.50
9274	Litsky's Sweet 16% Dairy Ration	Derby: Derby Feed Store	9.15	17.88	16.00	3.65	3.50	7.59	12.00
<b>Dewart Milling Co., Ltd.</b>									
<b>Peterborough, Ont., Canada</b>									
1085	Wheat Bran	Canaan: Community Service, Inc.	10.44	15.31	15.00	4.45	3.50	10.77	11.50
870	Wheat Shorts	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc.	13.09	<b>13.50</b>	15.00	<b>3.86</b>	5.00	2.79	8.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
<b>Dietrich &amp; Gambrill, Inc.</b>									
<b>Frederick, Md.</b>									
9071	D & G Calf Grower	Eastford: Wm. S. Warren & Sons	11.20	17.19	13.00	3.69	2.00	4.57	9.00
1077	Gambrill's Chick Grains	Eastford: Wm. S. Warren & Sons	12.15	10.69	9.00	3.12	3.00	1.26	4.00
<b>Distillers Corp., Ltd.</b>									
<b>Montreal, Canada</b>									
8895	Distilco Corn Distillers Dried Grains 25%	Pawcatuck: The C. W. Campbell Co.	4.07	25.19	25.00	9.98	8.00	9.72	12.00
<b>Doughnut Corp. of America</b>									
<b>Ellicott City, Md.</b>									
1207	Domaco Pure Winter Wheat Bran	Norwalk: The Libner Grain Co., Inc.	10.21	15.94	13.50	3.94	3.25	8.39	9.50
8898	Domaco Winter Wheat Standard Middlings	Pawcatuck: The C. W. Campbell Co.	9.47	14.75	14.50	4.65	4.25	6.08	7.50
<b>Dow Brewery, Ltd.</b>									
<b>Montreal 3, Quebec, Canada</b>									
523	Dried Brewers' Grains	Seymour: Seymour Grain & Coal Co.	9.31	22.06	22.00	<b>4.94</b>	7.00	13.08	15.00
<b>Dutton Flour Mills</b>									
<b>Dutton, Ontario, Canada</b>									
1455	Bran	Bloomfield: Bloomfield Farmers Exchange, Inc.	12.38	14.06	14.00	3.65	2.50	8.58	11.00
871	Shorts	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc.	12.41	13.63	13.50	<b>3.63</b>	4.00	3.59	8.00

**Eastern States Farmers' Exchange, Inc.  
West Springfield, Mass.**

1100	All Mash Breeder	New Milford: Benjamin L. Bar- ringer	9.69	18.06	15.50	3.24	3.00	3.01	4.50
501	All Mash Developer	Norwich: Eastern States Farmers' Exchange, Inc.	12.61	18.25	16.00	3.48	2.50	3.20	4.50
8336	All Mash Producer	North Haven: Eastern States Farmers' Exchange, Inc.	9.70	18.31	15.50	3.54	2.50	3.14	4.50
1447	Breeder Mash	Torrington: Eastern States Farm- ers' Exchange, Inc.	10.50	24.00	22.00	3.37	2.50	3.36	4.50
1098	Calf Starter	New Milford: Paul W. Caldwell	10.43	21.06	20.00	3.69	3.00	5.11	6.00
952	Calving Ration	Granby: Ayer & Simmons, Inc.	9.62	11.25	9.50	1.84	1.50	11.84	15.00
1260	Champion	Willimantic: Eastern States Farm- ers' Exchange, Inc.	12.01	16.44	14.00	2.63	2.50	6.50	7.00
8818	Class Leader	East Hartford: Eastern States Farmers' Exchange, Inc.	11.47	15.63	14.00	4.79	4.00	7.25	8.00
717	Developer	Bethel: Eastern States Farmers' Exchange, Inc.	10.36	23.63	22.00	5.51	5.00	4.26	4.50
8338	Finisher	North Haven: Eastern States Farmers' Exchange, Inc.	8.80	18.44	16.50	3.29	2.50	2.91	4.50
876	Fulpail	Willimantic: Eastern States Farm- ers' Exchange, Inc.	12.16	23.31	20.00	4.11	4.00	7.06	9.50
500	Grasslander	Norwich: Eastern States Farmers' Exchange, Inc.	12.71	12.69	10.00	4.43	3.50	5.08	9.00
502	Hog Supplement	Norwich: Eastern States Farmers' Exchange, Inc.	9.56	36.31	36.00	4.82	1.50	6.42	8.50
953	Lay-Mix	Granby: Ayer & Simmons, Inc.	8.15	39.69	36.00	3.21	2.00	5.57	6.50
8819	Milkmore	East Hartford: Eastern States Farmers' Exchange, Inc.	10.16	17.13	16.00	4.54	4.00	7.10	8.50
874	Milksaver	Willimantic: Eastern States Farm- ers' Exchange, Inc.	11.06	26.00	24.00	1.43	1.00	0.19	1.00
718	Pig Primer	Bethel: Eastern States Farmers' Exchange, Inc.	11.21	17.38	16.00	3.74	3.00	5.03	5.50
778	Pork Builder	Torrington: Eastern States Farm- ers' Exchange, Inc.	12.20	15.81	14.00	3.39	3.00	3.75	4.00
8337	Producer	North Haven: Eastern States Farmers' Exchange, Inc.	8.26	23.88	22.00	3.59	2.50	3.43	4.50
716	Rabbettes	Bethel: Eastern States Farmers' Exchange, Inc.	10.71	19.31	18.00	2.85	2.00	13.91	16.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)			Fat		Fiber	
			Moist- ure	Guaran- teed not less than		Found	Guaran- teed not less than	Found	
				Found	more than				
Eastern States Farmers' Exchange, Inc.—Cont.									
West Springfield, Mass.									
777	36% Supplement	Torrington: Eastern States Farmers' Exchange, Inc.	11.42	37.19	36.00	2.53	1.50	7.46	9.00
8817	Sweepstakes	East Hartford: Eastern States Farmers' Exchange, Inc.	11.10	16.63	16.00	4.00	3.50	6.82	8.00
1448	Turkey Grower	Torrington: Eastern States Farmers' Exchange, Inc.	12.12	22.63	20.00	3.44	3.00	4.19	4.50
Elmore Milling Co., Inc.									
Oneonta, N. Y.									
1262	Elmore Breeder Mash	Hampton: Elmore Conn. Stores, Inc.	10.92	21.88	20.00	4.26	3.00	4.19	6.00
1261	Elmore Broiler Finishing Ration	Hampton: Elmore Conn. Stores, Inc.	10.86	21.00	18.00	3.44	3.00	4.06	5.00
1263	Elmore Bull Feed	Hampton: Elmore Conn. Stores, Inc.	12.01	18.38	13.00	3.89	3.00	5.95	9.00
1298	Elmore Chick Feed	Danielson: United Co-Op Farmers, Inc.	11.79	10.50	9.00	3.84	2.50	1.64	5.00
807	Elmore Complete Growing Ration	Cos Cob: Belmont Feed Co.	11.20	19.19	15.00	3.20	3.00	4.64	5.00
591	Elmore Complete Market Egg Mash	Forestville: Elmore Conn. Stores, Inc.	11.51	18.75	15.50	3.54	3.00	4.65	4.50
1264	Elmore Complete Rabbit Ration	Hampton: Elmore Conn. Stores, Inc.	10.62	22.63	16.00	5.31	3.50	7.37	10.00
1123	Elmore Complete Turkey Growing	East Haven: East Haven Hay & Grain Supply	10.24	24.31	17.00	3.82	3.00	4.17	6.00
593	Elmore Dry & Freshening Ration	Forestville: Elmore Conn. Stores, Inc.	12.65	15.63	12.00	3.94	4.00	5.00	9.00
1097	Elmore Egg Mash	Gaylordsville: Elmer E. Carlson	10.22	21.38	20.00	4.13	2.50	4.90	6.00

685	Elmore Fitting Ration .....	Amston: Elmore Conn. Stores, Inc. ....	12.41	16.63	14.00	4.94	4.00	5.36	8.00
592	Elmore Flaked Pelleted Calf Starter ..	Forestville: Elmore Conn. Stores, Inc. ....	12.35	18.06	18.00	3.29	2.50	5.91	8.00
1591	Elmore Game Bird Grower .....	Vernon: Farmers' Milling Co., Inc. ....	10.63	25.56	20.00	3.87	3.50	4.71	8.00
1588	Elmore Goat Ration .....	Forestville: Elmore Conn. Stores, Inc. ....	11.69	18.00	16.00	3.19	3.00	5.16	10.00
684	Elmore Grand Champion Ration .....	Amston: Elmore Conn. Stores, Inc. ....	12.76	16.69	15.00	4.36	4.00	4.86	9.00
942	Elmore Growing Mash .....	Hazardville: E. B. Buck .....	11.46	19.13	18.00	3.19	2.50	5.54	6.00
595	Elmore Hog Ration .....	Forestville: Elmore Conn. Stores, Inc. ....	11.60	22.56	15.00	4.03	3.50	4.99	8.00
8335	Elmore Horse Feed .....	East Haven: East Haven Hay & Grain Supply .....	9.77	12.06	9.00	3.26	3.00	5.44	11.00
606	Elmore Improved Calf Starter .....	New Britain: The Hugh Reynolds Grain & Feed .....	11.48	22.56	20.00	3.39	3.50	3.46	8.00
943	Elmore M. A. C. Laying Mash .....	Hazardville: E. B. Buck .....	12.66	21.69	20.00	4.43	2.50	4.78	8.00
944	Elmore Milk Grains 16% .....	Hazardville: E. B. Buck .....	15.16	19.38	16.00	5.14	4.00	6.97	9.00
772	Elmore Pacemaker 16% Dairy Ration ..	Torrington: Litchfield County Co-Op Assoc. ....	11.00	16.88	16.00	2.99	2.50	10.00	10.00
683	Elmore Pasture Ration .....	Amston: Elmore Conn. Stores, Inc. ....	12.67	18.75	14.00	3.90	2.50	<b>9.79</b>	9.00
1444	Elmore Super Silage .....	Torrington: Litchfield County Co-Op Assoc. ....	12.46	11.81	11.00	3.06	2.00	17.91	18.00
8334	Elmore Test Ration 16% .....	East Haven: East Haven Hay & Grain Supply .....	8.77	16.50	16.00	4.06	4.00	6.85	9.00
1096	Elmore Test Ration 18% .....	Gaylordsville: Elmer E. Carlson .....	9.27	19.88	18.00	5.91	4.00	6.47	9.00
1122	Elmore Turkey Finisher (Fattener) ...	East Haven: East Haven Hay & Grain Supply .....	10.41	20.06	16.00	4.59	3.00	4.55	8.00
1303	Elmore Turkey Fitting Ration .....	Plainfield: Elmore Conn. Stores, Inc. ....	12.01	12.38	12.00	3.39	3.00	5.39	10.00
594	Elmore Turkey Growing Mash (Pel- leted) .....	Forestville: Elmore Conn. Stores, Inc. ....	11.06	20.81	20.00	3.94	2.50	5.28	6.00
1302	Elmore Turkey Starting Mash (Crum- bles) .....	Plainfield: Elmore Conn. Stores, Inc. ....	10.31	<b>25.00</b>	27.00	3.88	3.00	4.09	5.00
<b>John W. Eshelman &amp; Sons Lancaster, Pa.</b>									
1622	Conestoga 18 Dairy Feed .....	Norwich: The A. E. Shedd Co. ..	10.20	21.25	18.00	3.19	3.00	8.86	11.00
821	Lancaster Scratch Grains .....	Ridgefield: Young's Feed Store ..	12.66	11.50	9.00	3.28	2.00	3.06	4.00





1446	Red Rose Steer Feed .....	Torrington: Litchfield County Co-Op Assoc. ....	11.86	23.00	18.00	3.81	2.50	10.96	15.00
820	Red Rose Super Dairy Feed .....	Ridgefield: Young's Feed Store ..	12.16	21.88	18.00	3.98	3.25	6.56	9.00
1445	Red Rose 36% Supplement Mash .....	Torrington: Litchfield County Co-Op Assoc. ....	10.26	36.13	36.00	5.04	3.50	7.10	8.00
806	Red Rose T-C Feed .....	Cos Cob: Belmont Feed Co. ....	11.06	20.44	18.00	4.44	3.00	4.75	5.00
819	Red Rose 14 Test Cow Ration .....	Ridgefield: Young's Feed Store ..	11.31	20.94	14.00	4.20	3.50	6.03	8.50
803	Red Rose Turkey Grower .....	Cos Cob: Belmont Feed Co. ....	10.61	21.88	20.00	3.78	3.50	5.86	8.00
8293	S-O-S .....	New Haven: T. F. Moran & Son	9.58	15.63	11.00	3.49	2.00	14.17	16.00
<b>Excelsior Milling Co.</b>									
<b>Minneapolis, Minn.</b>									
537	Camel Wheat Mixed Feed with Wheat Screenings .....	Watertown: Watertown Co-Op Assoc., Inc. ....	12.11	15.50	15.00	5.07	4.00	7.07	9.50
<b>Farm Bureau Association</b>									
<b>Waltham, Mass.</b>									
773	Farm Bureau Complete Market Egg Mash .....	Torrington: Litchfield County Co-Op Assoc. ....	10.91	16.56	16.00	3.04	3.00	3.99	5.00
769	Farm Bureau 16% Dairy Ration .....	Torrington: Litchfield County Co-Op Assoc. ....	11.19	16.50	16.00	<b>3.23</b>	3.50	7.96	8.50
771	Farm Bureau 20% Dairy Ration .....	Torrington: Litchfield County Co-Op Assoc. ....	11.41	21.44	20.00	<b>3.03</b>	3.50	6.97	9.00
775	Farm Bureau Developer Mash .....	Torrington: Litchfield County Co-Op Assoc. ....	10.56	19.56	19.00	3.91	3.00	4.10	3.50
1443	Farm Bureau Fitting Ration .....	Torrington: Litchfield County Co-Op Assoc. ....	13.71	14.06	12.00	4.25	3.50	6.54	9.00
1442	Farm Bureau Market Egg Mash .....	Torrington: Litchfield County Co-Op Assoc. ....	11.35	22.31	20.00	4.64	3.00	4.46	6.00
770	Farm Bureau 14% Milking Ration ....	Torrington: Litchfield County Co-Op Assoc. ....	11.64	14.75	14.00	4.26	4.00	6.40	8.50
776	Farm Bureau Rabbit Food Pellets ...	Torrington: Litchfield County Co-Op Assoc. ....	11.62	18.25	18.00	<b>2.44</b>	3.00	11.92	18.00
<b>Farners Feed Co.</b>									
<b>New York, N. Y.</b>									
8441	"Bull Brand" Brewers Dried Grains ..	Long Hill: Long Hill Feed Store	6.89	27.69	26.00	6.53	6.00	12.69	17.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moisture	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaranteed not less than	Found	Guaranteed not less than	Found	Guaranteed not more than
<b>Feed Products, Inc.</b>									
<b>Groveland, Fla.</b>									
954	Bestest Brand "Nature Sweet" Dried Citrus Pulp	Granby: Ayer & Simmons, Inc.	8.88	7.06	6.00	<b>3.77</b>	5.00	8.97	12.00
779	Bestest Brand "Nature Sweet" Dried Citrus Pulp (Late Production)	Torrington: Eastern States Farmers' Exchange, Inc.	10.50	6.50	6.00	3.17	2.50	10.40	12.00
<b>Fish Products Co.</b>									
<b>Tuckerton, N. J.</b>									
9250	Smith's Lifeline Brand Fish Meal	Thomaston: The Thomaston Supply Co., Inc.	6.16	63.13	60.00	<b>4.44</b>	5.00	0.28	3.00
<b>Fishel Products Co.</b>									
<b>Kingsburg, Calif.</b>									
8356	Amburgo Super-Trate	Seymour: Seymour Grain & Coal Co.	7.26	43.75	40.00	5.64	4.00	4.44	4.00
<b>Florida Citrus Cannery Co-operative</b>									
<b>Lake Wales, Fla.</b>									
863	Lake Wales Brand Citrus Pulp	Stafford Springs: Valley Grain Co.	9.99	6.13	6.00	5.23	3.00	11.79	16.00
<b>The Fox Co.</b>									
<b>Newfield, N. J.</b>									
543	Foxco Flavitein	Thomaston: The Thomaston Supply Co., Inc.	7.75	37.69	35.00	6.88	2.00	1.11	2.50
<b>Fruit Industries</b>									
<b>Bradenton, Fla.</b>									
8438	Tropicana's Sweetest Dried Citrus Pulp	Long Hill: Long Hill Feed Store	8.31	6.38	6.00	6.30	2.75	11.20	15.00

**General Foods Corp.  
Post Cereals Division  
Battle Creek, Mich.**

519 Burt's Cereal Feed ..... 9.50 17.69 16.00 4.49 3.00 21.04 21.00

Bridgeport: Brooklawn Grain &  
Feed Co. ....

**General Mills, Inc.  
Minneapolis, Minn.**

719 Ben Hur Standard Middlings & Ground  
Wheat Screenings ..... 11.92 15.63 15.00 4.41 4.00 7.51 9.50

8912 Washburn's Gold Medal Hard Wheat  
Adrian Red Dog ..... 10.56 16.75 16.00 4.17 3.50 2.02 4.00

693 Washburn's Gold Medal Wheat Bran &  
Ground Wheat Screenings ..... 12.16 16.31 14.00 5.44 3.50 9.40 12.00

694 Washburn's Gold Medal Wheat Stand-  
ard Middlings & Wheat Screenings .. 12.17 17.38 15.00 5.56 4.00 7.61 9.50

Bethel: Eastern States Farmers'  
Exchange, Inc. ....

Norwich: Checkerboard Feed Store

Colchester: P. Cutler, Inc. ....

Colchester: P. Cutler, Inc. ....

**General Mills, Inc.  
Larowe Division  
Detroit, Mich.**

564 Larro Chick Grains ..... 13.33 9.94 8.00 3.74 2.00 1.60 4.00

708 Larro Scratch Grains ..... 11.67 10.94 8.00 4.06 2.00 2.56 5.00

1581 Larro Sure Chick ..... 10.81 20.44 20.00 3.38 3.00 4.92 6.00

1579 Larro Surelay Complete "Hi-Energy" .. 9.86 17.06 16.00 3.81 2.50 4.51 5.00

565 Larro Surelay "Hi-Energy" (Pelleted) .. 11.23 20.25 20.00 3.74 2.50 5.56 7.00

577 Larro Suremash Concentrate ..... 9.66 36.69 38.00 2.00 1.50 7.27 8.00

886 Larro Suremilk 14 ..... 11.77 15.81 14.00 2.54 2.50 7.38 12.00

8829 Larro Suremilk 16 ..... 10.98 17.38 16.00 3.32 2.50 8.14 12.00

9261 Larro Suremilk 20 ..... 9.60 22.06 20.00 3.00 2.50 7.25 12.00

709 Larro Surepork Complete ..... 11.58 16.88 15.00 5.09 3.00 4.24 6.00

566 Larro Surepoult ..... 11.14 26.81 24.00 3.71 2.50 5.77 6.00

710 Larro Surerabbit ..... 9.49 18.75 15.00 3.96 2.00 14.51 19.00

567 Larro Sureturk ..... 10.76 29.38 27.00 3.94 2.50 7.13 8.50

568 Larro Sureturk Grower Complete (Crum-  
bled) ..... 10.04 21.75 20.00 4.41 2.50 6.31 8.00

Plantsville: C. A. Cowles, Inc. ....

Danbury: Meeker Hardware .....

Plantsville: C. A. Cowles, Inc. ....

Plantsville: C. A. Cowles, Inc. ....

Plantsville: C. A. Cowles, Inc. ....

Plantsville: C. A. Cowles, Inc. ....

Jewett City: Machnicki's Grain  
Store ..... 11.77 15.81 14.00 2.54 2.50 7.38 12.00

Glastonbury: Melzen Grain Co. ....

Bristol: C. A. Cowles, Inc. ....

Danbury: Meeker Hardware .....

Plantsville: C. A. Cowles, Inc. ....

Danbury: Meeker Hardware .....

Plantsville: C. A. Cowles, Inc. ....

Plantsville: C. A. Cowles, Inc. ....



TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Guaran- teed not less than	Found			
				Found	Found				
<b>The Glidden Co.</b>									
<b>Soya Products Division</b>									
<b>Chicago, Ill.</b>									
1383	Glidden 44% Protein Solvent Extracted Soybean Oil Meal	Colchester: P. Cutler, Inc.	10.35	47.38	44.00	0.59	5.42	7.00	
<b>Gloucester By-Products, Inc.</b>									
<b>Gloucester, Mass.</b>									
884	Globpro Brand Fish Meal	Jewett City: Machnicki's Grain Store	7.46	60.63	55.00	14.41	5.00	0.17	2.00
<b>Goldenrod Oil Meal Sales Co.</b>									
<b>Memphis, Tenn.</b>									
1324	Goldenrod Brand 41% Protein Cottonseed Meal	Seymour: Seymour Grain & Coal Co.	8.61	40.81	41.00	5.64	3.00	10.71	14.00
<b>Gooderham &amp; Worts, Ltd.</b>									
<b>Toronto, Canada</b>									
1407	Corn Distillers Dried Grains	Middletown: Meech & Stoddard, Inc.	8.06	29.25	26.00	10.81	6.00	11.91	15.00
<b>Gorton-Pew Fisheries Co., Ltd.</b>									
<b>Gloucester, Mass.</b>									
8449	Gorton's Al-Blend "Junior"	Wallingford: A. E. Hall	8.35	43.31	40.00	7.26	6.00	7.14	8.00
1086	Gorton's Al-Blend "Senior"	Canaan: Community Service	13.84	43.25	40.00	10.18	7.50	5.80	8.00
<b>D. H. Grandin Milling Co.</b>									
<b>Jamestown, N. Y.</b>									
712	Grandin's Baby Chick Grains	Danbury: Meeker Hardware	12.00	9.38	10.00	3.18	2.50	1.25	5.00
1319	Grandin's Baby Chick Grains	Danbury: Meeker Hardware	11.87	10.00	10.00	2.79	2.50	1.37	5.00
713	Grandin's Calf Starter	Danbury: Meeker Hardware	11.31	18.25	18.00	3.03	3.00	7.29	10.00

1317	Grandin's Calf Starter .....	Danbury: Meeker Hardware ...	10.42	17.81	18.00	3.01	3.00	7.75	10.00
1287	Grandin's Complete Growing Mash ..	Putnam: Shepard & Whittimore, Inc. ....	9.50	18.31	15.00	3.94	2.50	5.50	5.00
1284	Grandin's Dry & Freshening Ration ..	Putnam: Shepard & Whittimore, Inc. ....	11.07	15.63	12.00	<b>2.68</b>	3.00	8.62	12.00
847	Grandin's 14 Fitting Ration .....	Mansfield: G. Merritt Thompson	11.27	14.75	14.00	3.68	3.00	6.35	10.00
1118	Grandin's Hi-Nutro Mash .....	Oneco: L. B. Whitford .....	10.92	18.63	15.00	4.01	3.00	3.97	4.50
1318	Grandin's Hi-Pro Pellets .....	Danbury: Meeker Hardware ...	9.41	22.19	22.00	3.57	3.00	5.02	5.00
1119	Grandin's Horse Feed .....	Oneco: L. B. Whitford .....	12.36	12.00	9.00	<b>2.67</b>	3.00	4.79	11.00
1115	Grandin's Intermediate Chick Grains ..	Oneco: L. B. Whitford .....	13.51	12.13	10.00	2.50	2.50	1.30	5.00
1101	Grandin's Laying Mash .....	Hawleyville: W. A. Honan, Inc.	9.27	21.50	20.00	4.06	2.00	4.46	4.50
1102	Grandin's 20 Milk Maker .....	Hawleyville: W. A. Honan, Inc.	9.52	20.13	20.00	3.74	3.00	7.31	10.00
1114	Grandin's Pig & Sow Feed .....	Oneco: L. B. Whitford .....	11.39	19.00	18.00	3.69	3.50	5.08	10.00
1117	Grandin's Poultry & Turkey Fitting Ration .....	Oneco: L. B. Whitford .....	14.82	11.31	10.00	3.89	3.00	4.84	11.00
711	Grandin's Rabbit Pellets .....	Danbury: Meeker Hardware ...	10.09	14.25	14.00	4.10	2.00	11.01	18.00
1285	Grandin's Start-To-Finish Mash .....	Putnam: Shepard & Whittimore, Inc. ....	9.92	24.25	20.00	4.33	2.50	5.67	5.00
1121	Grandin's 16 Test Ration .....	Oneco: L. B. Whitford .....	11.01	17.13	16.00	3.26	3.00	7.76	10.00
1286	Grandin's 18 Test Ration .....	Putnam: Shepard & Whittimore, Inc. ....	11.59	17.81	18.00	3.12	3.00	6.93	10.00
1120	Grandin's Turkey Fattener .....	Oneco: L. B. Whitford .....	10.96	16.75	17.00	3.00	3.00	3.71	4.00
1288	Grandin's Turkey Grower .....	Putnam: Shepard & Whittimore, Inc. ....	9.66	21.88	20.00	4.23	3.00	4.81	4.50
1108	Grandin's Twin Six Dairy Feed .....	Oneco: L. B. Whitford .....	9.49	17.50	16.00	3.04	3.00	6.86	10.00
<b>The Great Atlantic &amp; Pacific Tea Co.</b> Minneapolis, Minn.									
1636	Daily Egg Laying Mash .....	East Hartford: A & P Warehouse	10.78	22.75	20.00	2.88	3.00	5.33	7.50
1637	Daily Growth Growing Mash .....	East Hartford: A & P Warehouse	10.55	20.00	17.50	3.76	3.00	7.42	7.50
<b>Great Star Flour Mills, Ltd.</b> St. Marys, Ontario, Canada									
9247	Shorts .....	Thomaston: The Thomaston Supply Co., Inc. ....	10.05	17.63	16.00	5.15	5.00	7.65	8.00
<b>Green Acre Farms</b> Nazareth, Pa.									
1418	Green Acres Brand 17% Dehydrated Alfalfa Meal .....	Watertown: The Watertown Co-Op Assoc., Inc. ....	7.95	18.63	17.00	2.50	2.00	19.89	27.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Moist-ure		Protein (N x 6.25)		Fat	
			Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Fiber
								Guaran- teed not more than
Hales & Hunter Co., Chicago, Ill.								
1269	Gold Flake Dairy 16	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	11.89	16.13	16.00	3.19	3.00	6.58 10.00
9051	Gold Flake Dairy 16½	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	9.07	19.13	16.50	3.90	2.00	7.33 15.00
1280	Pioneer Bull Feed	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	10.67	13.56	12.00	3.82	3.00	6.11 10.00
1281	Pioneer Calf Starter	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	10.75	19.69	18.00	2.59	2.50	5.18 8.50
1276	Pioneer Creep & Fitting Ration	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	11.41	12.25	12.00	3.23	2.50	4.77 9.00
9053	Pioneer Creep & Fitting Supplement	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	8.91	31.13	28.00	2.79	2.50	7.09 8.00
9052	Pioneer 16 Dairy	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	11.13	20.88	16.00	3.92	3.00	5.47 9.00
1267	Pioneer 18 Dairy	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	12.11	19.50	18.00	3.00	3.00	5.52 9.00
1265	Pioneer Dairy Fitting Feed	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	12.88	17.56	14.00	4.49	3.50	5.65 10.00
1279	Pioneer Dairy Sup-Pel	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	9.66	25.06	18.00	3.34	3.00	5.65 9.00
9054	Pioneer Dry & Freshening	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	10.23	12.25	12.00	3.15	2.50	6.94 9.00
8522	Pioneer Horse Feed	Manchester: Little & McKinney, Inc.	9.30	11.44	10.00	3.51	2.50	6.20 10.00
1341	Pioneer Pelleted Flaked 15 Dairy	Shelton: Wolf Savitsky & Sons, Inc.	10.06	20.56	15.00	3.86	3.50	5.34 9.00

1268	Pioneer Pelleted Flaked 16 Dairy	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	11.81	18.63	16.00	3.83	3.50	5.26	9.00
1343	Pioneer Rabbit Pellets	Shelton: Wolf Savitsky & Sons, Inc.	910	18.75	16.00	2.58	2.00	6.80	15.00
8520	Red Comb All Mash Layer	Manchester: Little & McKinney, Inc.	7.93	17.19	17.00	4.28	3.00	5.42	7.00
1598	Red Comb Balancer	Manchester: Little & McKinney, Inc.	8.99	26.63	26.00	3.54	2.50	6.72	8.00
1601	Red Comb Breeder Mash	Manchester: Little & McKinney, Inc.	9.52	21.88	20.00	3.79	3.00	5.48	7.00
8811	Red Comb Broiler Crate Fattener	Hartford: D. Rudin, Inc.	9.99	15.50	15.00	4.32	3.00	5.63	7.00
1340	Red Comb Broiler Finisher (Pellets)	Shelton: Wolf Savitsky & Sons, Inc.	9.37	22.94	18.00	3.79	3.00	4.80	5.50
1602	Red Comb Broiler Mash	Manchester: Little & McKinney, Inc.	9.81	21.31	20.00	5.12	3.00	4.18	5.00
1256	Red Comb Crate Fattener	Fairfield: Fairfield Grain & Seed Co.	11.48	15.63	13.00	<b>2.63</b>	3.00	5.60	7.00
1149	Red Comb Duck Grower	Newtown: Newtown Farm Supply	10.57	<b>16.75</b>	18.00	2.78	3.00	5.10	7.00
1342	Red Comb Duck Starter	Shelton: Wolf Savitsky & Sons, Inc.	9.00	20.94	18.00	3.64	3.00	6.06	7.00
1274	Red Comb Egg Mash	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	9.69	21.88	20.00	4.11	3.00	6.31	7.00
8521	Red Comb C Flakes	Manchester: Little & McKinney, Inc.	8.65	16.25	15.00	2.60	2.50	2.69	5.00
1605	Red Comb Growing Mash	Manchester: Little & McKinney, Inc.	9.19	18.25	18.00	6.56	3.00	5.31	7.00
1278	Red Comb Poultry Flesher	Putnam: Putnam Farmers' Co-Op. Assoc., Inc.	10.94	17.81	15.00	4.78	3.00	3.48	6.00
1154	Red Comb Turkey Grower (Pellets)	Newtown: Newtown Farm Supply Co.	10.73	20.31	21.00	5.15	3.00	5.29	7.00
1155	Red Comb Turkey Starter	Newtown: Newtown Farm Supply Co.	11.32	<b>24.25</b>	27.00	4.48	3.00	4.68	6.00
A. E. Hall									
Wallingford, Conn.									
8446	Hall's Growing Mash	Wallingford: A. E. Hall	10.67	18.44	16.00	4.19	3.50	5.51	7.50
906	Hall's Hi-Lo Starter & Broiler	Wallingford: A. E. Hall	14.81	22.63	20.00	4.82	3.50	3.60	4.50
8447	Hall's Laying Mash	Wallingford: A. E. Hall	9.22	21.06	20.00	3.96	3.50	5.61	7.50



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	more than
1333	<b>T. G. Hill &amp; Co.</b> Atlanta, Ga. T. G. Hill's 41% Protein Cottonseed Meal	Shelton: Wolf Savitsky & Sons, Inc.	7.90	41.44	41.00	3.84	4.00	11.04	13.00
8896	<b>W. L. Hogg, Ltd.</b> Montreal, Canada Ground Oats	Pawcatuck: The C. W. Campbell Co.	8.91	11.50	.....	3.23	.....	11.88	.....
1167	<b>The Hubinger Co.</b> Keokuk, Iowa Ke OK uk Brand 21% Protein Corn Gluten Feed	Pawcatuck: The C. W. Campbell Co.	9.04	28.63	21.00	3.97	1.00	6.65	10.00
8469	Ke OK uk Corn Gluten Feed	Middletown: Meech & Stoddard, Inc.	7.86	27.63	21.00	1.94	2.00	5.82	8.50
8875	<b>Illinois Cereal Mills, Inc.</b> Paris, Ill. Hominy Feed	Old Mystic: James Baker	9.24	12.06	10.00	<b>4.44</b>	5.00	3.40	5.00
576	<b>International Milling Co.</b> Minneapolis, Minn. Blackhawk Wheat Standard Bran with Ground Mixed Screenings	Plantville: C. A. Cowles, Inc.	11.65	16.50	15.00	4.59	2.50	10.36	12.00
493	Blackhawk Wheat Standard Middlings with Ground Mixed Screenings	Middletown: Meech & Stoddard, Inc.	13.31	18.63	15.00	5.66	3.00	7.37	9.50
9249	Target Wheat Red Dog	Thomaston: Thomaston Supply Co., Inc.	9.56	18.75	15.00	3.65	2.00	3.72	4.00

**Herman Isacs, Inc.**  
**Bridgeport, Conn.**

1635 Meat & Bone Scrap ..... Manchester: Central Conn. Co-Op.  
Farmers' Assoc., Inc. .... 6.39 48.13 48.00 10.23 10.00 1.36 .....

**John Jervis Grain Co., Ltd.**  
**Toronto, Ontario, Canada**

1633 Jervis Pure Wheat Shorts ..... Manchester: Central Conn. Co-Op.  
Farmers' Assoc., Inc. .... 12.25 15.75 15.00 5.77 5.00 6.46 8.00

**Kasco Mills, Inc.**  
**Waverly, N.Y.**

8333 Kasco All Mash Layer Ration ..... East Haven: East Haven Hay &  
Grain Supply ..... 8.85 19.81 16.00 4.56 3.00 3.84 5.50  
852 Kasco Chick Starter ..... West Willington: Hansen's Store ..... 11.91 24.00 20.00 6.02 4.00 3.28 5.50  
853 Kasco Egg Producer (Pellets) ..... West Willington: Hansen's Store ..... 10.56 21.19 20.00 5.01 3.50 4.50 7.00  
8332 Kasco Scratch Grains ..... East Haven: East Haven Hay &  
Grain Supply ..... 11.17 10.00 9.00 2.33 2.00 2.72 4.00  
859 Kasco Turkey Grower ..... West Willington: Hansen's Store ..... 12.15 21.88 20.00 3.64 3.00 4.76 7.50

**Kellogg Sales Co.**  
**Battle Creek, Mich.**

8843 Kellogg's Hominy Feed ..... New London: Harbor Grain Co. .... 9.37 10.38 9.50 6.59 6.00 3.20 5.00

**Spencer Kellogg & Sons, Inc.**  
**Buffalo, N. Y.**

9295 Spencer Kellogg's 32% Protein Old Pro-  
cess (Expeller) Linseed Oil Meal ... Shelton: Wolf Savitsky & Sons,  
Inc. .... 8.65 36.31 32.00 **1.60** 3.50 9.03 10.50  
8368 Spencer Kellogg 44% Protein Toasted  
Soybean Oil Meal (Solvent Extracted)  
Co. .... 8.56 48.13 44.00 0.63 0.50 5.52 7.00

**Kentucky By-Products Corp.**  
**Louisville, Ky.**

1084 Brewer's Dried Grain (Special Process,  
Syrup added) ..... Canaan: Community Service, Inc. .... 9.24 **20.25** 24.00 6.66 6.00 15.08 18.00

**Keystone Dehydrators**  
**Nazareth, Pa.**

1413 Keystone Super Green Dehydrated Al-  
falfa Meal ..... Watertown: The Watertown Co-  
Op. Assoc., Inc. .... 11.72 19.88 17.00 3.99 2.00 22.44 27.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Moisture	Protein (N x 6.25)		Fat		Fiber
				Found	Guaranteed not less than	Found	Guaranteed not less than	
Chas. A. Krause Milling Milwaukee, Wis.								
1275	Badger Yellow Hominy Feed	Putnam: Putnam Farmers' Co-Op Assoc., Inc.	9.54	12.00	10.00	6.94	5.00	3.19 6.00
Kuder Pulp Sales Co. Lake Alfred, Fla.								
8913	Kuder Dried Citrus Pulp High Sugar	Norwich: Checkerboard Feed Store	12.75	6.00	6.00	4.11	5.00	10.06 13.00
1076	Kuder Dried Citrus Pulp High Sugar (Late Production)	Eastford: Wm. S. Warren & Sons	9.76	6.88	6.00	5.11	3.00	9.76 13.00
E. W. Latimer South Coventry, Conn.								
841	College 18% Dairy Ration	South Coventry: E. W. Latimer	11.00	19.75	18.00	3.82	4.00	7.64 9.00
839	College Fitting Ration	South Coventry: E. W. Latimer	11.11	16.75	14.00	4.08	4.00	6.64 9.00
840	College Mash with Oil	South Coventry: E. W. Latimer	10.83	17.81	17.50	4.94	4.50	6.57 8.00
Laubhoff Grain Co. Danville, Ill.								
1208	Vermillion Hominy Feed	Norwalk: The Libner Grain Co., Inc.	10.00	12.69	9.00	6.33	5.00	3.86 6.00
Libby, McNeill & Libby Ocala, Fla.								
1198	Headliner Dried Citrus Pulp	Stepney: Big Y Grain Co.	9.65	6.25	5.00	4.26	2.50	10.84 15.00
The Libner Grain Co. Norwalk, Conn.								
1206	Libner's Blue Ribbon Conn. Standard Chick Starter Ration	Norwalk: The Libner Grain Co., Inc.	14.21	20.25	20.00	4.21	4.00	5.96 6.00

520	Libner's Blue Ribbon Dairy Ration 16%	Norwalk: The Libner Grain Co., Inc.	12.10	18.75	16.00	<b>3.59</b>	5.00	6.44	8.00
1205	Libner's Blue Ribbon Fitting Ration 12%	Norwalk: The Libner Grain Co., Inc.	10.46	15.63	12.00	3.88	4.00	7.57	10.00
1204	Libner's Blue Ribbon Growing Mash with Cod Liver Oil	Norwalk: The Libner Grain Co., Inc.	9.94	21.38	18.00	4.19	4.00	5.74	6.00
809	Libner's Blue Ribbon Horse and Calf Ration	Stamford: Stamford Grain Co.	11.97	12.50	10.50	3.74	3.50	4.89	7.00
808	Libner's Blue Ribbon Milk Egg Mash with Cod Liver Oil	Stamford: Stamford Grain Co.	11.39	22.06	20.00	4.96	3.00	6.10	6.50
522	Libner's Blue Ribbon Turkey Starter and Grower	Norwalk: The Libner Grain Co., Inc.	11.07	<b>21.94</b>	24.00	4.27	4.50	5.08	5.00
521	20% Milkflow Dairy Ration	Norwalk: The Libner Grain Co., Inc.	11.58	20.31	20.00	<b>3.08</b>	4.00	6.50	9.00
<b>Litchfield County Co-Op. Assoc.</b>									
<b>Torrington, Conn.</b>									
774	Common Sense Laying Mash	Torrington: Litchfield County Co-Op. Assoc., Inc.	10.54	18.13	18.00	3.50	3.50	5.37	7.00
<b>Long Hill Feed Store</b>									
<b>Long Hill, Conn.</b>									
8439	Improved Square Deal Dairy Ration	Long Hill: Long Hill Feed Store	10.18	19.13	18.00	<b>3.53</b>	4.50	9.74	10.00
<b>L. B. Lovitt &amp; Co.</b>									
<b>Memphis, Tenn.</b>									
8360	"Lovit Brand" 41% Protein Cottonseed Meal Prime Quality	Seymour: Seymour Grain & Coal Co.	7.15	42.88	41.00	5.73	4.00	11.88	13.00
<b>MHR Alfalfa Co., Inc.</b>									
<b>Ohio City, Ohio</b>									
1557	Dehydrated Alfalfa Meal	Norwich: The Vantic Grain & Products Co.	4.61	<b>15.94</b>	17.00	2.54	1.50	23.91	27.00
<b>Mapleleaf Milling Co.</b>									
<b>Toronto, Ont., Canada</b>									
695	Mapleleaf Shorts	Colchester: P. Cutler, Inc.	12.50	16.69	15.00	<b>4.70</b>	5.00	6.76	8.00
8861	Rex Wheat Bran	New London: New London Grain Co.	9.76	13.13	9.00	4.11	3.50	8.47	12.00
8329	Rex Wheat Middlings	Branford: S. V. Osborn	10.19	17.75	15.00	5.33	4.00	6.52	9.50





**McMillen Feed Mills, Division of Central  
Soya Co. & Subsidiaries  
Fort Wayne, Ind.**

8325	Master Blend Dairy Concentrate .....	Guilford: Fred C. Morse & Son	9.70	35.88	33.00	2.15	1.50	6.40	9.00
530	Master Mix Calflac .....	Seymour: Seymour Grain & Coal Co. ....	10.24	16.50	17.00	<b>1.69</b>	2.50	0.15	0.50
8347	Master Mix Complete Calf Feed with Methio Vite .....	Seymour: Seymour Grain & Coal Co. ....	8.38	21.88	17.50	2.75	3.00	5.63	8.00
8343	Master Mix Complete Rabbit Pellets ..	Seymour: Seymour Grain & Coal Co. ....	7.59	17.19	15.00	2.54	2.00	11.11	16.00
8323	Master Mix 16% Dairy Feed .....	Guilford: Fred C. Morse & Son	9.63	18.94	16.00	2.99	2.50	6.47	9.00
8327	Master Mix Egg Lac Pellets with Methio Vite .....	Guilford: Fred C. Morse & Son	8.78	22.88	20.00	3.14	2.50	5.65	7.00
8345	Master Mix Egg Mash (Pelleted) .....	Seymour: Seymour Grain & Coal Co. ....	8.07	21.44	20.00	3.23	2.50	6.74	7.00
8353	Master Mix Fitting Feed .....	Seymour: Seymour Grain & Coal Co. ....	8.69	19.25	13.00	3.09	3.00	5.18	9.00
8321	Master Mix Horse Feed .....	Guilford: Fred C. Morse & Son	10.73	13.25	10.00	3.09	3.00	4.57	9.00
524	Master Mix Layer Concentrate .....	Seymour: Seymour Grain & Coal Co. ....	9.96	36.00	34.00	3.54	1.50	6.32	7.50
1125	Master Mix Pig-ets with Methio Vite ..	Guilford: Fred C. Morse & Son	10.70	21.38	18.00	4.49	3.50	2.48	3.50
526	Master Mix Pullet Grower with Methio Vite .....	Seymour: Seymour Grain & Coal Co. ....	10.17	19.25	18.00	3.64	2.50	5.50	7.00
1126	Master Mix Sow Concentrate with Methio Vite .....	Guilford: Fred C. Morse & Son	4.22	34.75	34.00	6.06	1.50	6.60	11.00
1378	Master Mix Station Gain .....	Colchester: L. B. Broder & Co., Inc. ....	10.81	16.75	15.00	<b>2.91</b>	4.00	5.00	7.50
8326	Master Mix Turkey Concentrate with Methio Vite .....	Guilford: Fred C. Morse & Son	9.12	39.38	36.00	2.29	1.50	5.81	7.00
525	Master Mix Turkey Grower with Methio Vite (Pellets) .....	Seymour: Seymour Grain & Coal Co. ....	10.70	22.50	20.00	3.29	2.50	5.81	7.00
1323	Master Mix Waylac .....	Seymour: Seymour Grain & Coal Co. ....	8.10	18.25	17.00	3.16	2.00	5.03	7.00

**Meech & Stoddard, Inc.  
Middletown, Conn.**

1408	M & S Economy Dairy Feed .....	Middletown: Meech & Stoddard, Inc. ....	9.87	16.13	16.00	3.89	3.50	10.67	10.00
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TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moisture	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaranteed not less than	Found	Guaranteed not less than		
Meech & Stoddard, Inc.—Cont.									
Middletown, Conn.									
1386	Red Wing Calf Starter & Grower . . . .	Middletown: Meech & Stoddard, Inc. . . . .	10.47	15.81	16.00	3.53	3.50	5.76	8.00
8462	Red Wing 15% Dairy Feed . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	9.26	17.19	15.00	3.73	3.80	8.40	9.00
1388	Red Wing Fitting Ration . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	10.76	14.25	14.00	3.81	4.00	8.46	10.00
494	Red Wing Growing Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	11.21	17.25	17.00	3.00	3.00	8.91	8.00
1387	Red Wing Horse Feed . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	11.94	12.50	9.00	3.79	3.50	3.37	8.00
8463	Red Wing Laying Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	9.15	17.06	18.00	3.14	3.20	7.92	8.00
8464	Red Wing Pig & Hog Feed . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	8.41	16.25	17.50	2.84	4.00	7.56	7.90
8465	Red Wing Starting Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	9.06	20.19	18.00	3.08	3.70	7.18	5.30
1390	Red Wing Stock Feed . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	9.75	11.38	10.00	1.73	2.50	11.89	11.00
1405	Special Balance Growing Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	10.49	18.38	18.00	3.44	4.00	7.67	7.50
1389	Special Balance High Antibiotic Lay Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	10.26	17.25	17.00	3.09	3.00	5.11	7.00
495	Special Balance High Efficiency Complete Laying Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	11.71	16.25	16.00	3.81	3.00	4.34	5.50
1406	Special Balance Laying Mash . . . . .	Middletown: Meech & Stoddard, Inc. . . . .	10.99	20.56	20.00	3.40	3.50	7.46	7.50

1391	Special Balance Starting Mash .....	Middletown: Meech & Stoddard, Inc. ....	10.00	21.25	20.00	3.26	3.50	5.32	7.00
<b>George J. Meyer Malt &amp; Grain Corp.</b> Buffalo, N. Y.									
1556	Malt Sprouts .....	Norwich: The Yantic Grain & Products Co. ....	10.09	29.06	25.00	1.73	1.40	12.50	14.00
<b>Miller Alfalfa Co.</b> Defiance, Ohio									
1168	Miller's Choice Brand 17% Dehydrated Alfalfa Meal .....	Pawcatuck: The C. W. Campbell Co. ....	7.79	17.31	17.00	3.54	1.50	24.99	27.00
<b>Miner-Hillard Milling Co.</b> Wilkes Barre, Pa.									
8440	Choice Steam Cooked Hominy Feed ..	Long Hill: Long Hill Feed Store	8.48	10.81	10.00	5.50	5.00	4.27	5.00
1453	18% M-H Dairy Feed .....	Bloomfield: Bloomfield Farmers Exchange .....	10.81	21.69	18.00	5.14	3.50	7.16	9.50
<b>Minute Maid Corp.</b> Leesburg, Fla.									
700	Golden Isle Citrus Pulp .....	Danbury: Big Y Feed Co. ....	10.32	6.94	6.00	8.64	2.75	9.69	15.00
<b>Molson's Brewery, Ltd.</b> Montreal, Canada									
1555	Dried Brewer's Grains .....	Norwich: The Yantic Grain & Products Co. ....	9.26	21.75	22.00	<b>5.71</b>	7.00	15.00	15.00
<b>Montmorency Distillery, Ltd.</b> Beaupre, Quebec, Canada									
8339	Corn Distiller's Dried Grains .....	Union City: Naugatuck Grain Co.	4.77	30.94	28.00	8.71	5.00	11.98	14.60
<b>Geo. Q. Moon &amp; Co., Inc.</b> Binghamton, N. Y.									
1159	Moon Complete Growing Mash (Pellets)	Botsford: Botsford Grain & Supply .....	10.83	17.31	16.00	3.89	3.50	6.21	7.00
887	Moon Complete Laying Mash .....	Jewett City: Machnick's Grain Store .....	10.56	15.75	16.00	3.54	3.50	7.33	7.00
989	Moon 16% Dairy Ration .....	Norfolk: Curtis & Collar .....	10.91	16.63	16.00	4.36	3.50	8.89	10.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moist- ure	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaran- teed not less than	Found	Guaran- teed not less than		
Geo. Q. Moon & Co., Inc.—Cont. Binghamton, N.Y.									
1161	Moon 20% Dairy Ration	Botsford: Botsford Grain & Sup- ply	10.71	21.06	20.00	5.59	3.50	8.40	10.00
541	Moon Developing Grains	Thomaston: The Thomaston Sup- ply Co., Inc.	13.47	10.44	10.00	2.15	1.50	2.03	5.00
1158	Moon Growing Mash	Botsford: Botsford Grain & Sup- ply	10.65	18.56	18.00	4.02	3.50	6.76	7.00
991	Moon Hog Feed	Norfolk: Curtis & Collar	10.37	14.88	13.00	4.23	3.00	6.74	12.00
990	Moon Horse Feed with Molasses	Norfolk: Curtis & Collar	11.32	11.44	9.00	2.90	1.50	7.20	10.00
888	Moon Laying Mash	Jewett City: Machnicki's Grain Store	10.86	20.25	20.00	3.92	3.50	7.01	7.00
1156	Moon Poultry Fitting Ration	Botsford: Botsford Grain & Sup- ply	12.62	15.31	11.00	3.09	2.50	6.00	11.00
988	Moon Rabbit Pellets	Norfolk: Curtis & Collar	9.50	16.19	15.00	4.24	2.50	11.09	12.00
8873	Moon Scratch Feed	Old Mystic: James Baker	11.39	10.63	10.00	2.74	2.00	2.86	5.00
1160	Moon Super Growing Mash (A High Energy Mash)	Botsford: Botsford Grain & Sup- ply	10.42	16.56	16.00	3.68	2.50	3.59	6.00
1157	Moon Super Laying Mash	Botsford: Botsford Grain & Sup- ply	11.24	15.63	16.00	4.12	2.50	3.36	6.00
1162	Moon Turkey Grower Mash (Pellets)	Botsford: Botsford Grain & Sup- ply	10.40	20.13	20.00	5.07	4.00	6.43	6.50
Fred C. Morse & Son Guilford, Conn.									
8317	Old Mill Breeder Mash	Guilford: Fred C. Morse & Son	10.18	22.75	20.00	4.01	3.50	6.51	7.50
8318	Old Mill Complete Laying Mash	Guilford: Fred C. Morse & Son	10.19	16.75	16.00	3.56	3.50	5.57	7.50
8320	Old Mill 16% Dairy Feed	Guilford: Fred C. Morse & Son	11.01	16.00	16.00	3.59	2.50	5.31	8.00
8319	Old Mill Fitting Feed	Guilford: Fred C. Morse & Son	11.63	14.50	14.00	3.56	3.00	5.02	8.00

8316	Old Mill Growing Mash .....	Guilford: Fred C. Morse & Son	10.72	18.13	18.00	3.90	3.50	5.44	6.50
1124	Old Mill Laying Mash .....	Guilford: Fred C. Morse & Son	9.94	22.06	20.00	4.66	3.50	6.56	7.50
8322	Old Mill Turkey Grower .....	Guilford: Fred C. Morse & Son	10.10	21.13	20.00	3.09	3.00	4.48	7.00
<b>Mowat, Wilson &amp; Co.</b>									
<b>Detroit, Mich.</b>									
8919	Dried Beet Pulp .....	Jewett City: Big Y Feed Co. ....	8.48	9.38	7.00	0.59	0.30	18.27	22.50
9060	Dried Molasses — Beet Pulp .....	Danielson: United Co-Op Farmers', Inc. ....	6.62	10.56	7.00	0.74	0.30	16.24	20.00
<b>Nappanee Milling Co., Inc.</b>									
<b>Nappanee, Ind.</b>									
8870	Hominy Feed .....	Groton: The C. W. Campbell Co.	10.00	10.88	10.00	8.69	6.50	4.94	7.50
<b>National Alfalfa Dehydrating &amp; Milling Co.</b>									
<b>Lamar, Col.</b>									
882	Jack Rabbit Dehydrated Alfalfa Leaf Granules .....	Jewett City: Machnicki's Grain Store .....	9.30	21.38	20.00	4.14	2.50	16.91	18.00
<b>National Biscuit Co.</b>									
<b>Toledo, Ohio</b>									
1566	Namico .....	Plantville: C. A. Cowles, Inc. . .	12.36	15.81	14.00	3.53	3.50	6.28	9.00
<b>National Distillers Products Corp.</b>									
<b>New York, N. Y.</b>									
8546	Nadrisol Brand Corn Distillers Dried Solubles .....	Manchester: Central Conn. Co-Op. Farmers' Assoc., Inc. ....	9.00	27.63	25.00	6.47	5.00	3.39	4.00
<b>National Foods, Inc.</b>									
<b>Indianapolis, Ind.</b>									
8471	Pulverized Feed Oats .....	Middletown: Meech & Stoddard, Inc. ....	8.94	11.25	11.00	2.06	2.00	15.22	15.00
<b>The Neumond Co.</b>									
<b>St. Louis, Mo.</b>									
8893	Neumond's 13% Suncured Alfalfa Meal	Pawcatuck: The C. W. Campbell Co. ....	9.11	16.94	13.00	2.27	1.00	25.09	33.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Concluded

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist-ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not less than
Newton Concentrates Ashby, Mass.									
1411	Newton Bovine (Super) Concentrates	Rocky Hill: Veterans' Home & Hospital	10.46	16.69	16.00	5.29	5.00	8.86	9.00
936	Newton Bovine Sweet Super Concentrates								
937	Newton Green Roughage Concentrates	Middletown: Conn. State Hospital	12.82	18.75	16.00	5.59	5.00	6.16	9.00
1412	Newton Green Roughage Concentrates	Middletown: Conn. State Hospital	13.11	16.63	14.00	4.16	3.00	8.80	12.00
		Rocky Hill: Veterans' Home & Hospital	12.04	15.81	14.00	3.38	3.00	9.31	12.00
Ogden Grain Co. Utica, N. Y.									
1307	Ogden "Biddy" Mash	Central Village: Ogden Grain Store	10.47	22.50	20.00	2.89	2.50	5.21	7.50
897	Ogden Complete Starter Grower Layer Breeder	Central Village: Ogden Grain Store	12.51	17.38	16.00	4.44	2.50	5.84	7.50
891	Ogden Fitting Ration	Central Village: Ogden Grain Store	11.96	15.13	12.00	3.14	3.00	5.85	9.00
899	Ogden Growing Mash	Central Village: Ogden Grain Store	11.75	21.88	18.00	4.06	3.50	5.97	7.50
1305	Ogden Hi-Energy Laying Mash	Central Village: Ogden Grain Store	10.41	18.25	15.00	3.69	3.00	3.76	4.00
1304	Ogden Hi-Energy Starter & Broiler	Central Village: Ogden Grain Store	11.40	22.50	22.00	4.42	3.00	3.69	4.00
1306	Ogden Laying Mash	Central Village: Ogden Grain Store	10.00	20.13	20.00	3.73	3.50	6.26	7.00
900	Ogden Poultry & Turkey Fitting Ration	Central Village: Ogden Grain Store	13.39	10.50	10.00	3.54	3.00	3.18	8.00
898	Ogden Rabbit Pellets	Central Village: Ogden Grain Store	12.36	16.88	16.50	3.75	3.00	9.37	13.00

**Ogilvie Flour Mills Co., Ltd.**  
Montreal, Canada

810	Ogilvie Wheat Bran .....	Glenbrook: Frank Policastro & Sons .....	12.44	14.25	15.00	4.71	3.50	10.94	11.50
872	Ogilvie Wheat Shorts .....	Willimantic: Willimantic Grain Co. ....	11.86	16.63	16.00	5.10	5.00	7.32	8.00

**The Park & Pollard Co., Inc.**  
Buffalo 7, N. Y.

1320	Claco Dairy Ration .....	Woodbury: C. L. Adams Co. ....	8.84	22.94	20.00	4.08	3.50	6.49	9.00
782	Hi-Prime Complete Turkey Grower .....	Waterbury: The Spencer Grain Co., Inc. ....	10.22	23.94	20.00	3.34	3.50	4.07	5.50
791	Hi-Prime Turkey Grower (Pellets) .....	Waterbury: H. S. Coe & Co., Inc. ....	10.54	22.38	22.00	4.31	3.50	4.89	5.50
1067	Lay or Bust All-Mash Grower .....	Willimantic: W. D. Grant Co. ....	9.57	17.38	16.00	3.59	3.50	4.93	5.00
1296	Lay or Bust All-Mash Layer .....	Putnam: Dayville Grain & Feed Co. ....	10.91	17.50	16.50	3.73	3.50	4.41	5.00
1069	Lay or Bust Broiler Finishing Mash .....	Willimantic: W. D. Grant Co. ....	9.36	21.19	18.00	3.29	3.50	4.41	4.00
8307	Lay or Bust Egg Mash .....	West Cheshire: Cheshire Grain & Coal Co. ....	9.96	21.06	20.00	3.69	3.50	4.57	5.50
790	Lay or Bust Flething Pellets .....	Waterbury: H. S. Coe & Co., Inc. ....	10.81	18.00	15.00	4.00	3.00	4.78	5.50
696	Lay or Bust Growing Feed .....	Colchester: P. Cutler, Inc. ....	10.90	20.81	18.00	3.58	3.50	4.72	5.50
1072	Lay or Bust Hi-Power 20% Broiler Ration .....	Willimantic: W. D. Grant Co. ....	10.61	20.44	20.00	3.79	3.00	3.49	4.00
978	Lay or Bust Hi-Valu Pellets .....	New Hartford: The Geo. W. Case, Inc. ....	10.69	17.25	12.00	3.50	3.00	5.01	6.50
794	Lay or Bust Laying Pellets .....	Woodbury: C. L. Adams Co. ....	10.71	21.13	20.00	3.90	3.50	4.72	5.50
8308	Milk Maid Bulky Sweet Dairy .....	West Cheshire: Cheshire Grain & Coal Co. ....	10.06	16.63	12.00	2.70	2.50	9.86	14.00
1066	Milk Maid Calf Starter Mix .....	Willimantic: W. D. Grant Co. ....	10.09	19.38	19.00	3.64	3.50	5.42	8.00
1382	Milk Maid Calf Starter Pellets .....	Colchester: P. Cutler, Inc. ....	8.40	24.88	22.00	<b>3.39</b>	4.00	5.46	7.00
8306	Milk Maid 16% Dairy Ration .....	West Cheshire: Cheshire Grain & Coal Co. ....	10.03	18.25	16.00	4.13	3.50	6.17	10.00
959	Milk Maid 20% Dairy Ration .....	New Hartford: The Geo. W. Case, Inc. ....	10.01	20.88	20.00	4.43	3.50	6.91	10.00
1065	Milk Maid Dri-Fresh Ration .....	Willimantic: W. D. Grant Co. ....	9.86	16.38	12.00	3.54	3.00	7.23	10.00
780	Milk Maid Fitting Ration .....	Waterbury: The Spencer Grain Co., Inc. ....	11.71	15.81	14.00	3.00	3.00	7.21	9.00
795	Milk Maid Goat Feed .....	Woodbury: C. L. Adams Co. ....	11.54	17.13	16.00	4.04	3.00	6.18	9.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than
<b>The Park &amp; Pollard Co., Inc.—Cont.</b>								
<b>Buffalo 7, N.Y.</b>								
1294	Milk Maid Test Cow Ration	Putnam: Dayville Grain & Feed Co.	10.57	20.50	18.00	4.23	4.00	7.91 9.00
8833	Milk Maid 14% Test Ration	Glastonbury: Sharpwell Imple- ment Service	10.31	14.00	14.00	4.19	4.00	8.61 9.00
1380	Park & Pollard Broiler Ration	Colchester: P. Cutler, Inc.	10.41	23.56	22.00	<b>2.64</b>	3.00	4.59 6.00
977	Park & Pollard Complete Grower	New Hartford: The Geo. W. Case, Inc.	10.50	16.19	15.00	3.89	3.00	5.21 6.00
958	Park & Pollard Complete Layer	New Hartford: The Geo. W. Case, Inc.	9.76	15.50	15.00	3.44	3.00	4.96 6.00
697	Park & Pollard Laying Mash	Colchester: P. Cutler, Inc.	10.52	21.50	20.00	3.53	3.00	5.83 6.00
796	Park & Pollard Rabbit Pellets	Southbury: C. L. Adams	10.29	18.75	14.00	3.43	2.50	8.94 12.00
1295	Red Ribbon 16% Dairy Ration	Putnam: Dayville Grain & Feed Co.	10.10	18.75	16.00	5.61	3.50	8.88 11.00
960	Red Ribbon 20% Dairy Ration	New Hartford: The Geo W. Case, Inc.	9.24	23.25	20.00	3.69	3.50	7.98 11.00
789	Yankee Horse Feed	Waterbury: The Spencer Grain Co., Inc.	12.37	11.81	10.00	3.84	2.50	5.51 10.00
<b>Parrish &amp; Heimbecker, Ltd.</b>								
<b>Toronto, Canada</b>								
8358	"Parrheim" Pure Wheat Bran	Seymour: Seymour Grain & Coal Co.	9.11	16.25	14.00	4.83	3.50	10.65 11.50
8357	"Parrheim" Pure Wheat Shorts	Seymour: Seymour Grain & Coal Co.	9.75	17.75	14.00	5.80	3.50	7.89 8.00
<b>Pasco Packing Co.</b>								
<b>Dade City, Fla.</b>								
1297	O-Mi-O Citrus Pulp	Putnam: Dayville Grain & Feed Co.	8.41	6.75	6.00	5.54	2.50	11.16 16.00

8442	Sugar-Sweet Citrus Meal .....	Long Hill: Long Hill Feed Store	7.81	6.63	6.00	2.03	2.00	13.16	13.50
8820	Sugar Sweet Citrus Pulp .....	East Hartford: Eastern States Farmers' Exchange, Inc. ....	7.66	6.50	6.00	4.00	2.50	10.34	13.50
<b>Patent Cereals Co.</b>									
<b>Geneva, N. Y.</b>									
767	Hominy Feed .....	Torrington: F. L. Wadhams & Sons .....	11.94	10.63	9.0	5.16	5.00	2.86	5.00
<b>Penick &amp; Ford, Ltd.</b>									
<b>Cedar Rapids, Iowa</b>									
889	Corn Gluten Meal .....	Jewett City: Machnicki's Grain Store .....	7.90	40.63	41.00	3.61	1.5	3.93	6.00
1210	Douglas Corn Gluten Feed .....	Norwalk: The Libner Grain Co., Inc. ....	10.54	23.13	21.00	1.77	1.00	8.41	8.50
<b>Pet Milk Co.</b>									
<b>St. Louis, Mo.</b>									
1593	Pet Nonfat Dry Milk Solids .....	Vernon: Farmer's Milling Co., Inc. ....	5.11	36.56	32.00	0.89	0.50	0.00	0.25
<b>Phenix Milling Co., Ltd.</b>									
<b>Galt, Ontario, Canada</b>									
9270	Phenix Pure Wheat Bran .....	Derby: Derby Feed Store .....	9.60	16.13	15.00	4.85	3.50	9.29	11.50
9269	Phenix Wheat Shorts .....	Derby: Derby Feed Store .....	11.16	17.50	16.00	5.17	5.00	5.55	8.00
<b>A. D. Pierce</b>									
<b>Brooklyn, Conn.</b>									
880	Pierce Hi-Energy Mash (Pellets) .....	Brooklyn: A. D. Pierce .....	11.56	19.81	16.00	3.24	3.00	3.65	4.50
877	Pierce Laying Mash .....	Brooklyn: A. D. Pierce .....	11.17	21.88	20.00	3.09	3.00	5.43	7.50
879	Pierce Special Layer .....	Brooklyn: A. D. Pierce .....	11.31	18.38	16.00	4.56	3.00	3.81	5.00
<b>Pillsbury Mills, Inc.</b>									
<b>Minneapolis, Minn.</b>									
9268	Pillsbury's XX Daisy .....	Derby: Derby Feed Store .....	10.25	17.75	16.00	4.33	4.00	3.81	4.00
792	Pillsbury's Hard Wheat Bran with Ground Wheat Screenings .....	Waterbury: H. S. Coe & Co., Inc.	11.96	15.38	14.00	4.19	4.00	7.31	12.00
1075	Pillsbury's Hard Wheat Standard B. Mid- dlings with Ground Wheat Screenings	Eastford: Wm. S. Warren & Sons	10.70	18.00	15.00	5.64	4.00	7.86	9.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not less than
<b>R. C. Pratt &amp; Co., Ltd.</b>									
<b>Toronto, Canada</b>									
8899	Ruler Brand Pure Wheat Shorts	Pawcatuck: The C. W. Campbell Co.	10.97	14.56	15.00	3.99	3.50	4.27	10.50
<b>Publicker Industries, Inc.</b>									
<b>Philadelphia, Pa.</b>									
508	Paco Molasses Distillers Dried Solubles	Derby: Derby Feed Store	8.69	12.25	10.00	0.68	0.50	0.23	1.00
<b>The Quaker Oats Co.</b>									
<b>Chicago, Ill.</b>									
8330	Bell Cow Wheat Bran	Branford: S. V. Osborn, Est.	9.94	16.63	15.00	5.17	3.50	11.35	11.50
1165	Bell Cow Wheat Shorts	Pawcatuck: The C. W. Campbell Co.	11.86	21.00	16.00	6.18	4.00	6.62	8.00
1607	Ful-O-Pep Calf Ration	Manchester: Little & McKinney, Inc.	10.17	16.19	16.00	4.66	3.00	6.49	9.00
911	Ful-O-Pep Chick Starter	Wallingford: D. W. Ives	11.80	20.13	20.00	4.10	4.00	6.42	7.00
8461	Ful-O-Pep Egg Breeder Mash	Wallingford: D. W. Ives	9.25	21.25	20.00	4.35	3.50	6.59	8.00
8523	Ful-O-Pep Fitting Feed	Manchester: Little & McKinney, Inc.	8.56	16.13	14.00	3.06	3.00	7.71	10.00
1597	Ful-O-Pep Flock Ration	Manchester: Little & McKinney, Inc.	10.21	21.50	20.00	3.91	2.50	7.06	8.00
8459	Ful-O-Pep Growing Mash	Wallingford: D. W. Ives	9.35	20.81	19.00	3.79	3.50	7.06	8.00
8816	Ful-O-Pep Horse Feed	Hartford: Hartford Poultry Sup- ply	11.30	11.88	12.00	4.04	3.00	7.20	11.00
8460	Ful-O-Pep Laying Mash	Wallingford: D. W. Ives	9.85	20.69	20.00	3.33	3.00	6.38	8.00
1608	Ful-O-Pep Pork Ration (A Complete Hog Feed)	Manchester: Little & McKinney, Inc.	9.60	15.63	14.00	3.91	2.5	7.63	8.00
912	Ful-O-Pep Rabbit Ration	Wallingford: D. W. Ives	11.10	15.88	15.00	3.48	2.5	9.03	18.00
609	Ful-O-Pep Super Greens (Pellets)	New Britain: C. W. Lines Co.	10.58	19.69	19.00	5.64	4.00	5.82	8.00



1604	Ful-O-Pep Turkey Finisher Pellets	Manchester: Little & McKinney, Inc.	9.17	16.81	15.00	4.14	3.00	5.31	9.00
8524	Ful-O-Pep 26% Turkey Grower	Manchester: Little & McKinney, Inc.	8.16	27.25	26.00	3.54	3.00	6.87	8.00
1211	Muffets Shredded Wheat Feed	Norwalk: The Libner Grain Co., Inc.	8.16	10.56	10.00	1.54	1.50	2.68	3.00
8470	Peterborough Oat Huller Feed	Middletown: Meech & Stoddard, Inc.	6.96	3.13	2.50	<b>0.65</b>	1.00	31.28	34.00
610	Quaker Sugared Schunacher Feed	New Britain: C. W. Lines Co.	10.05	12.19	12.00	3.27	2.50	11.16	12.00
<b>Quality Alfalfa Products, Inc.</b> <b>Bowling Green, Ohio</b>									
505	Green Gold Brand Dehydrated Alfalfa Meal	Derby: Derby Feed Store	8.50	17.00	17.00	2.91	1.50	20.66	27.00
511	Green Gold Brand Dehydrated Alfalfa Meal	Shelton: Wolf Savitsky & Sons, Inc.	8.52	16.88	17.00	2.49	1.50	26.65	27.00
513	Green Gold Brand Dehydrated Alfalfa Meal	Shelton: Wolf Savitsky & Sons, Inc.	7.76	17.25	17.00	2.54	1.50	23.56	27.00
<b>Ralston-Purina Co.</b> <b>St. Louis, Mo.</b>									
1628	Corn & Oat Provender	Norwich: Checkerboard Feed Store	11.50	11.13	10.00	4.09	3.50	4.69	10.00
8864	Northeastern Scratch Feed	New London: New London Grain Co.	11.24	9.88	9.00	2.07	2.00	2.84	5.00
1146	41% Protein Cottonseed Meal	New Milford: Checkerboard Feed Store	11.12	42.44	41.00	<b>1.77</b>	5.00	8.75	13.00
8821	Purina B & M Cow Chow	Glastonbury: Melzen Grain Co.	12.14	16.38	16.00	<b>3.19</b>	3.50	5.62	10.00
1144	Purina Beef Chow (Pellets)	New Milford: Checkerboard Feed Store	9.29	32.00	32.00	<b>1.63</b>	2.50	5.76	8.00
8362	Purina Breeder Lay Chow E	Ansonia: A. Hodos & Sons, Inc.	8.26	25.81	22.00	4.20	2.50	3.84	5.50
1134	Purina Breeder Layena (Complete Ration) E	New Milford: Checkerboard Feed Store	11.79	17.75	16.00	3.96	2.50	3.36	5.00
1062	Purina Bulky Las	Willimantic: Checkerboard Feed Store	9.78	11.75	10.00	2.71	1.50	10.98	15.00
1061	Purina Calf Startena E	Willimantic: Checkerboard Feed Store	9.56	21.44	19.50	3.00	2.50	7.14	9.50
793	Purina Chick Chow (Coarse)	Oakville: Franco-American Coal & Oil Co.	12.85	10.00	9.00	4.36	2.00	1.59	4.00
8814	Purina Chick Chow (Fine)	Hartford: Hartford Poultry Supply	10.92	10.88	10.00	2.87	2.00	1.62	4.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found	
Ralston-Purina Co.—Cont.									
St. Louis, Mo.									
8363	Purina Chick Growena E	Ansonia: A. Hodos & Sons, Inc.	8.86	19.25	17.00	3.53	3.00	4.67	7.00
8914	Purina Chick Growing Chow E	Norwich: Checkerboard Feed Store	9.18	23.94	23.00	4.19	3.50	5.60	8.00
1139	Purina Complete Sow & Pig Chow E (Pellets)	New Milford: Checkerboard Feed Store	11.72	17.81	16.00	2.50	2.50	4.25	6.00
8915	Purina Cow Chow 14%	Norwich: Checkerboard Feed Store	11.63	15.38	14.00	3.43	3.00	5.30	10.00
8863	Purina Cow Chow 16%	New London: New London Grain Co.	9.39	16.00	16.00	3.17	3.00	5.33	10.00
8838	Purina Cow Chow 18%	Deep River: Deep River Farm Supply	11.09	18.31	18.00	2.52	3.00	6.02	10.00
7781	Purina Cow Chow Concentrate	New Milford: Checkerboard Feed Store	7.16	36.00	32.00	3.25	1.50	5.46	9.00
7778	Purina Cow Chow Supplement	New Milford: Checkerboard Feed Store	8.13	26.25	24.00	3.23	2.50	6.75	11.00
818	Purina D & F Chow E	New Canaan: Clapboard Hill Feed Co., Inc.	12.96	13.88	12.50	3.66	2.00	6.78	12.00
1064	Purina Dairy Chow 14%	Willimantic: Checkerboard Feed Store	9.75	17.44	14.00	3.28	2.50	10.48	15.00
1058	Purina Dairy Chow 16%	Willimantic: Checkerboard Feed Store	9.79	17.50	16.00	2.98	2.50	9.21	15.00
814	Purina Duck Growena E (Pellets)	New Canaan: Clapboard Hill Feed Co., Inc.	11.64	19.44	18.00	3.50	3.00	3.50	7.00
1143	Purina Duck Startena E (Pellets)	New Milford: Checkerboard Feed Store	10.17	21.25	20.00	4.76	3.00	3.61	6.50
1140	Purina Flock Chow E	New Milford: Checkerboard Feed Store	10.95	19.88	18.00	3.44	2.50	5.22	7.00
1137	Purina Fox Chow	New Milford: Checkerboard Feed Store	10.61	24.88	20.00	5.41	3.00	4.06	6.00

1138	Purina Fox Chow (Without Meat Meal)	New Milford: Checkerboard Feed Store	10.84	18.25	14.00	3.23	2.50	4.41	6.00
817	Purina Gamebird Breeder Layena (Complete Ration) E	New Canaan: Clapboard Hill Feed Co., Inc.	11.57	20.56	16.50	4.59	3.00	5.30	8.00
1141	Purina Gamebird Growena E	New Milford: Checkerboard Feed Store	10.82	20.75	20.00	3.29	3.00	4.86	7.00
8503	Purina Goat Chow E	Forestville: Rudolf Heyne	8.16	16.81	16.00	3.29	3.00	6.22	10.00
8364	Purina Hen Chow	Ansonia: A. Hodos & Sons, Inc.	11.03	9.88	9.00	2.00	2.00	2.23	5.00
815	Purina Hog Fatena E	New Canaan: Clapboard Hill Feed Co., Inc.	11.92	15.50	14.00	4.02	2.50	4.58	7.00
8828	Purina Lay Chow E	Glastonbury: Melzen Grain Co.	10.52	23.25	22.00	4.00	2.50	4.33	5.50
8361	Purina Layena (Complete Ration) E	Ansonia: A. Hodos & Sons, Inc.	9.50	17.75	16.00	3.88	2.50	3.10	5.00
1135	Purina Milk Chow 16%	New Milford: Checkerboard Feed Store	11.67	18.13	16.00	3.03	3.00	6.85	10.00
1060	Purina Mink Chow	Willimantic: Checkerboard Feed Store	9.67	23.19	20.00	3.94	2.00	2.82	5.00
1059	Purina Nursing Chow	Willimantic: Checkerboard Feed Store	7.40	26.44	25.00	1.74	2.50	0.13	3.00
8916	Purina Omolene	Norwich: Checkerboard Feed Store	11.34	11.44	10.00	3.48	3.00	7.44	11.00
1142	Purina Pig Startena E (Pellets)	New Milford: Checkerboard Feed Store	10.31	18.75	18.00	3.91	3.00	4.64	6.00
1136	Purina Poultry Booster Chow E (Pellets)	New Milford: Checkerboard Feed Store	11.19	25.13	24.00	3.73	2.50	5.27	8.00
715	Purina Rabbit Chow Checkers (20%)	Bethel: Marble & Risser	10.06	22.25	20.00	2.14	2.00	15.11	16.00
8808	Purina Rabbit Chow Checkers (Complete Ration) E	Windsor: Robbins Grain & Hardware, Inc.	9.34	16.94	15.00	3.38	2.00	13.15	18.00
1145	Purina Range Checkers E	New Milford: Checkerboard Feed Store	9.82	21.94	20.00	2.64	2.00	7.00	10.00
1629	Purina Roaster Chow E	Norwich: Checkerboard Feed Store	9.91	21.38	17.00	4.26	2.50	4.61	6.50
8502	Purina Turkey Breeder Layena E	Forestville: Rudolf Heyne	8.24	17.94	16.50	3.86	3.00	4.19	8.00
816	Purina Turkey Fatena E (Pellets)	New Canaan: Clapboard Hill Feed Co., Inc.	10.57	18.94	15.50	5.11	2.5	4.84	8.00
8836	Purina Turkey Growena E (Checker-Etts)	Deep River: Deep River Farm Supply	9.75	20.31	20.00	4.27	3.00	5.02	7.00
8837	Purina Turkey Startena E	Deep River: Deep River Farm Supply	9.84	30.38	28.00	3.50	2.50	5.74	7.00
1082	Wheat Standard Middlings	Cornwall Bridge: R. W. Sandmeyer	10.21	16.25	15.00	6.16	4.00	7.95	9.50

TABLE I. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Guaran- teed not less than	Guaran- teed not more than			
				Found	Found	Found	Found		
<b>Reliable Grain &amp; Fuel Co.</b>									
<b>Ansonia, Conn.</b>									
8365	Reliable Laying Mash with Cod Liver Oil	Ansonia: Reliable Grain & Fuel Co.	8.21	20.75	18.00	4.36	4.00	5.81	8.00
8366	Reliable 16% Protein Dairy Feed	Ansonia: Reliable Grain & Fuel Co.	8.91	16.00	16.00	3.64	3.50	8.26	9.00
<b>H. M. Rubin Co., Inc.</b>									
<b>Long Island City, N.Y.</b>									
8324	Rubco Meat Bone Scrap	Guilford: Fred C. Morse & Son	5.93	56.63	55.00	7.11	2.00	2.31	3.00
8526	Rubco Meat Bone Scrap	Manchester: Central Conn. Co-Op. Farmers' Assoc., Inc.	6.11	53.13	50.00	6.99	2.00	2.16	3.00
1129	Rubco Steamed Bone Meal	Guilford: Fred C. Morse & Son	5.46	5.63	5.00	0.33	0.50	0.44	3.00
<b>Russell-Miller Milling Co.</b>									
<b>Minneapolis, Minn.</b>									
8473	Hard Wheat Occident Bran	Kensington: A. S. Labieniec	10.04	18.06	14.00	4.93	4.00	10.49	11.50
781	Hard Wheat Occident Standard Middlings With Ground Wheat Screenings	Waterbury: The Spencer Grain Co., Inc.	11.52	17.50	15.00	5.88	4.00	7.73	9.50
<b>Wolf Savitsky &amp; Sons, Inc.</b>									
<b>Shelton, Conn.</b>									
1327	Wolf's Broiler Finisher	Shelton: Wolf Savitsky & Sons, Inc.	9.81	21.38	18.00	3.33	3.00	3.72	4.50
515	Wolf's Calf Ration	Shelton: Wolf Savitsky & Sons, Inc.	7.96	21.25	18.00	3.64	3.00	6.00	8.50
9290	Wolf's Complete Hi-Eff Egg Breeder Mash	Newtown: Newtown Farm Supply Co.	10.82	17.25	15.50	3.57	3.00	3.00	4.50
1148	Wolf's Complete Hi-Eff Growing Mash	Newtown: Newtown Farm Supply Co.	11.17	19.63	15.50	3.98	3.00	2.85	4.50
1336	Wolf's Egg Mash	Shelton: Wolf Savitsky & Sons, Inc.	9.54	22.19	20.00	4.91	3.00	4.34	5.50



9287	Wolf's Growing Mash	Newtown: Newtown Farm Supply Co.	10.34	20.94	20.00	3.91	3.00	4.24	5.50
9292	Wolf's Horse Feed	Shelton: Wolf Savitsky & Sons, Inc.	11.12	14.38	10.00	3.38	3.00	6.86	12.00
9291	Wolf's Perfor Mo-Las	Shelton: Wolf Savitsky & Sons, Inc.	10.00	12.50	10.00	3.99	2.00	10.98	16.00
1153	Wolf's Pig & Hog Feed	Newtown: Newtown Farm Supply Co.	12.44	18.31	16.00	4.84	3.00	4.21	6.00
1328	Wolf's Stock Feed	Shelton: Wolf Savitsky & Sons, Inc.	8.39	12.19	10.00	3.93	2.50	15.27	15.00
9288	Wolf's Sweetened 14% Dairy Ration	Newtown: Newtown Farm Supply Co.	10.17	14.00	14.00	3.28	3.00	7.75	9.00
9293	Wolf's Sweetened 16% Dairy Ration	Shelton: Wolf Savitsky & Sons, Inc.	10.33	17.63	16.00	3.68	3.00	8.03	10.00
1147	Wolf's Sweetened 18% Dairy Ration	Newtown: Newtown Farm Supply Co.	11.20	19.31	18.00	3.34	3.00	7.10	9.00
1339	Wolf's Sweetened 20% Dairy Ration	Shelton: Wolf Savitsky & Sons, Inc.	9.22	22.06	20.00	3.94	3.00	7.34	9.00
<b>Schoeneck Farms, Inc.</b>									
<b>Nazareth, Pa.</b>									
512	Schoeneck 17% Super-Green Dehydrated Alfalfa Meal	Shelton: Wolf Savitsky & Sons, Inc.	8.22	19.44	17.00	3.44	2.00	24.51	27.00
<b>Sea Board Supply Co.</b>									
<b>Philadelphia 46, Pa.</b>									
1414	Crab Meal	Watertown: The Watertown Co-Op. Assoc., Inc.	7.89	31.13	31.00	2.57	1.00	10.65	11.00
1586	Crab Meal	Thomaston: The Thomaston Supply Co., Inc.	7.25	32.63	31.00	1.19	1.00	10.80	11.00
<b>Joseph E. Seagram &amp; Sons, Inc.</b>									
<b>Louisville, Ky.</b>									
518	Seagram's Corn Distiller Dried Grains	Bridgeport: Brooklawn Grain & Feed Co.	8.68	26.50	25.00	10.77	8.00	6.94	11.00
<b>Seymour Grain &amp; Coal Co.</b>									
<b>Seymour, Conn.</b>									
532	Miracle Dairy 16%	Seymour: Seymour Grain & Coal Co.	11.32	17.13	16.00	4.36	2.50	6.34	8.00
8355	Miracle Fitting Ration	Seymour: Seymour Grain & Coal Co.	8.98	13.94	14.00	4.50	3.00	7.60	8.00
1325	Miracle Grower	Seymour: Seymour Grain & Coal Co.	8.92	21.56	19.00	4.66	3.00	6.71	8.00





<b>J. Howard Smith, Inc.</b>									
<b>Port Monmouth, N. J.</b>									
1175	Smith's Lifeline Brand Fish Meal	Pawcatuck: The C. W. Campbell Co.	8.24	62.19	60.00	5.24	5.00	0.20	3.00
<b>The Smith Meal Co., Inc.</b>									
<b>Amagansett, N. Y.</b>									
1344	Smith's Life Line Fish Meal	Shelton: Wolf Savitsky & Sons, Inc.	5.54	66.00	55.00	6.34	5.00	0.22	3.00
<b>South Windsor Grain Co.</b>									
<b>South Windsor, Conn.</b>									
939	Valley Laying Mash	South Windsor: South Windsor Grain Co.	11.69	21.13	20.00	<b>3.31</b>	4.00	7.38	8.50
<b>Southern Fruit Distributors, Inc.</b>									
<b>Orlando, Fla.</b>									
934	Bluebird Citrus Pulp	Portland: Anderson Farm Supply, Inc.	10.91	7.56	6.00	3.64	3.50	12.51	17.00
<b>A. E. Staley Mfg. Co.</b>									
<b>Decatur, Ill.</b>									
574	"Staley's" 21% Corn Gluten Feed	Plantville: C. A. Cowles, Inc.	9.73	23.63	21.00	2.14	1.50	6.35	8.00
867	Staley's Corn Gluten Meal	Manchester: Central Conn. Co-Op Farmers' Assoc., Inc.	10.32	42.38	41.00	3.69	1.00	1.56	6.00
8897	Staley's 44% Protein Solvent Extracted Soybean Oil Meal	Pawcatuck: The C. W. Campbell Co.	10.00	46.88	44.00	1.22	0.50	5.96	7.00
<b>D. A. Stickell &amp; Sons, Inc.</b>									
<b>Hagerstown, Md.</b>									
690	Su-Pur Rabbit Pellets	Colchester: P. Cutler, Inc.	11.01	17.94	17.00	4.34	3.00	7.36	10.00
<b>Stock-Gro, Inc.</b>									
<b>Chicago, Ill.</b>									
1068	Simmon's Stock-Mix	Willimantic: W. D. Grant Co.	10.31	<b>31.00</b>	32.00	<b>1.10</b>	1.60	3.87	3.70
<b>Suni Citrus Products Co.</b>									
<b>Haines City, Fla.</b>									
8409	Sweet Suni-Citrus Pulp	Bridgeport: Savitt Grain Exchange	6.12	6.75	6.00	5.70	5.00	12.28	15.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
1128	Sunny Slope Farms, Inc. Nazareth, Pa. Sunny Slope Farms Dehydrated Alfalfa Meal .....	Guilford: Fred C. Morse & Son	7.60	20.88	17.00	2.68	2.00	21.43	27.00
1454	Sweetall Mfg. Co. Williamstown, N. Y. Sweet Colass .....	Bloomfield: Bloomfield Farmers' Exchange .....	14.24	11.69	9.00	3.66	2.00	9.46	12.50
507	Swift & Co. Chicago, Ill. Swift 44% Protein Solvent Extracted Soybean Oil Meal .....	Derby: Derby Feed Store .....	11.71	48.38	44.00	0.93	0.50	4.62	7.00
1585	The Thomaston Supply Co., Inc. Thomaston, Conn. Thomaston Dairy Ration .....	Thomaston: The Thomaston Sup- ply Co., Inc. ....	10.71	20.44	18.00	4.24	4.00	6.30	9.00
9245	Thomaston 16 Dairy Ration .....	Thomaston: The Thomaston Sup- ply Co., Inc. ....	9.66	17.63	16.00	4.18	4.00	7.22	9.00
1584	Thomaston Dry Stock Feed .....	Thomaston: The Thomaston Sup- ply Co., Inc. ....	11.16	16.56	12.00	3.59	3.00	6.96	9.00
9243	Thomaston Egg Mash .....	Thomaston: The Thomaston Sup- ply Co., Inc. ....	8.71	21.88	20.00	5.19	4.00	5.74	8.00
540	Thomaston Growing Mash .....	Thomaston: The Thomaston Sup- ply Co., Inc. ....	11.01	20.38	20.00	5.11	3.50	6.32	6.00
9244	Thomaston Starter & Broiler Mash ...	Thomaston: The Thomaston Sup- ply Co., Inc. ....	9.46	21.63	20.00	<b>3.58</b>	4.00	3.63	4.50

Trico Feed Mills  
Minden, Neb.

842	Dehydrated Alfalfa Meal 17% Protein	South Coventry: E. W. Latimer	8.26	20.69	17.00	3.44	1.50	20.67	27.00
<b>United Co-Operative Farmers', Inc.</b> Fitchburg, Mass.									
9043	UCF All Mash Grower & Layer	Moosup: United Co-Op Farmers', Inc.	10.77	16.31	15.50	4.37	2.50	3.42	5.00
9045	UCF Breeder	Moosup: United Co-Op Farmers', Inc.	10.50	22.06	20.00	4.04	2.50	3.94	5.00
9059	UCF Broiler Mash	Danielson: United Co-Op Farmers', Inc.	10.81	20.56	20.00	4.00	2.50	3.37	4.00
9065	UCF Calf Meal	Danielson: United Co-Op Farmers', Inc.	7.65	31.44	25.00	1.43	1.00	0.85	2.00
1300	UCF Calf Starter	Danielson: United Co-Op Farmers', Inc.	11.19	20.25	20.00	4.11	3.00	3.47	6.00
901	UCF 16% Dairy	Moosup: United Co-Op Farmers', Inc.	11.46	17.13	16.00	4.36	3.50	6.52	9.00
9042	UCF Fitting Ration	Moosup: United Co-Op Farmers', Inc.	10.27	16.25	14.00	3.93	3.00	7.00	9.00
9044	UCF Grower	Moosup: United Co-Op Farmers', Inc.	10.22	21.75	20.00	3.77	2.50	3.89	5.50
1301	UCF Horse Feed	Danielson: United Co-Op Farmers', Inc.	11.35	13.38	9.00	3.34	3.00	4.04	9.00
9062	UCF Layer	Danielson: United Co-Op Farmers', Inc.	10.41	22.88	20.00	4.52	2.50	4.24	5.00
9058	UCF Milkmaaker	Danielson: United Co-Op Farmers', Inc.	10.51	18.75	18.00	3.94	3.50	7.93	9.00
9046	UCF Pig & Hog Feed	Moosup: United Co-Op Farmers', Inc.	9.76	21.63	20.00	3.78	3.00	5.58	7.00
9061	UCF Poultry Fattening Ration (Pelleted)	Danielson: United Co-Op Farmers', Inc.	10.86	16.75	15.00	3.73	3.50	4.61	6.00
9064	UCF Stock Feed	Danielson: United Co-Op Farmers', Inc.	9.84	10.38	9.00	4.09	3.00	12.02	15.00
9063	UCF Super Starter	Danielson: United Co-Op Farmers', Inc.	10.71	22.06	20.00	4.07	2.50	3.70	4.00
1299	UCF Turkey Grower & Fattener	Danielson: United Co-Op Farmers', Inc.	10.16	20.75	20.00	4.34	3.00	3.58	6.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Moist- ure	Protein (N x 6.25)		Fat		Fiber	
				Found	Guaran- teed not less than	Found	Guaran- teed not less than		
Unity Feeds, Inc. Boston, Mass.									
860	Middlings	West Willington: Hansen's Store	12.89	17.69	15.00	5.65	3.00	7.59	9.50
8403	Paycheck 18%	Fairfield: Fairfield Grain & Seed Co.	8.82	19.25	18.00	3.69	3.50	9.24	11.00
1283	Unity Breeder Mash	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	9.84	21.88	20.00	3.49	3.00	5.06	6.00
850	Unity Complete Growing Mash (Pellets)	West Willington: Hansen's Store	10.71	18.06	15.00	4.72	3.00	4.20	7.00
851	Unity Complete Rabbit Pellets	West Willington: Hansen's Store	10.60	19.13	16.00	4.76	3.00	6.96	20.00
9047	Unity 16% Dairy Ration	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	9.17	18.13	16.00	4.63	3.50	7.97	9.00
1282	Unity 18% Dairy Ration	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	10.89	21.31	18.00	4.01	3.50	6.21	9.00
854	Unity 20% Dairy Ration	West Willington: Hansen's Store	13.16	24.25	20.00	4.15	3.50	7.47	9.00
1266	Unity Dairy & Fitting Ration	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	12.23	14.94	14.00	4.42	3.50	7.37	8.00
1213	Unity Growing Mash	Fairfield: Fairfield Grain & Seed Co.	9.57	20.31	18.00	4.84	3.00	5.86	7.00
9050	Unity High Energy Breeder Mash	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	10.79	19.38	16.00	3.94	3.00	3.58	4.00
1277	Unity High Energy Laying Mash (Pellets)	Putnam: Putnam Farmers' Co-Op. Assn., Inc.	10.11	19.25	15.00	5.11	3.00	3.72	4.50
1254	Unity Horse Feed	Fairfield: Fairfield Grain & Seed Co.	13.51	10.50	10.00	4.21	3.00	5.61	9.00
8901	Unity Improved Calf Ration	Pawcatuck: The C. W. Campbell Co.	11.13	23.38	20.00	2.89	3.50	4.92	6.00
8405	Unity Laying Mash	Fairfield: Fairfield Grain & Seed Co.	9.02	22.81	20.00	3.23	3.00	6.03	7.00
1590	Unity Milk Replacer	West Willington: Hansen's Store	6.61	32.75	32.00	2.74	2.50	1.57	4.50

9048	Unity Pig & Hog Ration .....	Putnam: Putnam Farmers' Co-Op. Assn., Inc. ....	10.41	19.38	17.00	3.62	3.00	4.83	6.00
9049	Unity Poultry Fitting Ration .....	Putnam: Putnam Farmers' Co-Op. Assn., Inc. ....	12.30	13.88	12.00	3.03	3.00	5.25	8.00
8406	Unity Scratch Feed .....	Fairfield: Fairfield Grain & Seed Co. ....	10.52	11.06	9.00	3.13	2.50	3.65	5.00
849	Unity Tri-Way Mash .....	West Willington: Hansen's Store	12.01	<b>18.38</b>	20.00	4.99	3.00	4.46	6.00
1255	Unity Turkey & Game Bird Breeder Mash (Pellets) .....	Fairfield: Fairfield Grain & Seed Co. ....	10.34	24.94	24.00	3.34	3.00	4.96	6.00
940	Unity Turkey & Game Bird Growing Mash (Pellets) .....	South Windsor: South Windsor Grain Co. ....	11.76	21.38	20.00	3.59	3.00	4.59	5.00
1212	Unity Turkey & Game Bird Super Ration .....	Fairfield: Fairfield Grain & Seed Co. ....	9.96	29.69	28.00	3.73	3.00	<b>4.86</b>	4.00
1589	Unity Turkey Finishing Pellets .....	West Willington: Hansen's Store	10.44	16.63	16.00	3.88	3.00	5.19	7.00
	<b>Valier &amp; Spies Milling Co.</b>								
	<b>St. Louis, Mo.</b>								
8297	Valier's Wheat Bran .....	New Haven: Westville Grain Co. ....	10.89	17.56	14.50	5.00	3.50	7.65	10.50
	<b>Victory Mills, Ltd.</b>								
	<b>Toronto, Canada</b>								
8527	Veeline Soybean Oil Meal (Hi Protein)	Manchester: Central Conn. Co-Op. Farmers' Assoc., Inc. ....	8.41	48.75	44.00	1.09	0.50	5.00	7.00
	<b>Virginia Carolina Chemical Corp.</b>								
	<b>Taftville, Conn.</b>								
1176	Gluten Protein Feed .....	Pawcatuck: C. W. Campbell Co. ....	9.44	63.25	63.00	2.21	2.00	1.39	1.50
	<b>Hiram Walker &amp; Sons, Ltd.</b>								
	<b>Walkerville, Ontario, Canada</b>								
1163	Corn Distillers' Dried Grains Solubles	Pawcatuck: C. W. Campbell Co. ....	8.65	26.63	24.00	8.31	8.00	7.51	13.00
1558	Walker's Stimulav Corn Distillers' Dried Solubles .....	Norwich: The Yantic Grain & Products Co. ....	7.15	<b>24.13</b>	25.00	<b>2.33</b>	4.00	1.60	1.50
	<b>The Watertown Co-Op. Assoc., Inc.</b>								
	<b>Watertown, Conn.</b>								
538	Storrs Formula Calf Ration .....	Watertown: Watertown Co-Op. Assoc., Inc. ....	11.81	16.88	14.00	4.66	4.00	5.97	9.00
1416	Storrs 16% Pasture Ration .....	Watertown: Watertown Co-Op. Assoc., Inc. ....	10.74	18.44	16.00	5.39	4.00	5.76	9.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moisture	Found	Guaranteed not less than	Found	Guaranteed not less than	Found	
The Watertown Co-Op. Assoc., Inc.—Cont.									
Watertown, Conn.									
534	Watertown Co-Op. Broiler Mash	Watertown: Watertown Co-Op. Assoc., Inc.	11.72	23.25	20.00	4.01	4.00	3.34	5.00
1415	Watertown Co-Op. Growing Mash	Watertown: Watertown Co-Op. Assoc., Inc.	9.94	20.81	18.00	5.26	4.00	6.63	7.00
535	Watertown Co-Op. Starter Mash	Watertown: Watertown Co-Op. Assoc., Inc.	11.31	21.88	20.00	4.08	4.00	3.59	5.00
536	Watertown Co-Op. Turkey Growing Mash	Watertown: Watertown Co-Op. Assoc., Inc.	10.38	25.94	21.00	5.19	4.00	6.25	8.00
1417	Watertown Laying Mash	Watertown: Watertown Co-Op. Assoc., Inc.	10.59	23.06	20.00	4.96	4.00	5.81	7.00
H. K. Webster & Co. Lawrence, Mass.									
1095	Blue Seal Calf Starter	Canaan: Community Service, Inc.	10.11	20.50	19.00	4.08	3.50	7.15	7.50
682	Blue Seal Chick Feed	Colchester: Einhorn's Grain Store	13.39	12.38	10.00	2.33	2.50	1.56	4.00
8921	Blue Seal Coarse "16" Dairy Ration	Jewett City: Jewett City Farmers' Co-Op.	9.86	18.00	16.00	4.79	3.50	8.70	9.00
600	Blue Seal Coarse "20" Dairy Ration	Meriden: Reliable Grain & Feed Store	11.06	21.69	20.00	3.50	3.50	7.20	9.00
8922	Blue Seal Economizer "16" Dairy Ration	Jewett City: Jewett City Farmers' Co-Op.	9.70	18.13	16.00	3.59	2.50	11.18	15.00
8401	Blue Seal Egg Mash	Fairfield: Brookside Feed Co.	8.42	23.56	20.00	3.64	3.50	6.58	7.00
8815	Blue Seal Fattening Pellets	Hartford: Hartford Poultry Supply	9.54	16.44	14.00	4.65	3.50	5.46	5.50
599	Blue Seal Fine "16" Dairy Ration	Meriden: Reliable Grain & Feed Store	11.30	19.00	16.00	4.98	3.50	7.01	9.00
702	Blue Seal Fine "20" Dairy Ration	Danbury: Barnum's Feed Store	10.67	22.06	20.00	3.56	3.50	7.40	9.00



8920	Blue Seal Fitting Ration with Vitamin D Yeast	Jewett City: Jewett City Farmers' Co-Op.	10.64	16.38	14.00	3.75	3.50	8.45	9.00
1471	Blue Seal Goat Feed	Unionville: Lawton-Miner Co.	11.72	20.63	16.00	3.72	3.50	7.17	9.00
615	Blue Seal Growing Mash	Colchester: Einhorn's Grain Store	11.14	20.06	18.00	3.83	3.50	5.76	7.00
601	Blue Seal Horse Feed	Meriden: Reliable Grain & Feed Store	13.10	13.63	10.00	3.14	3.00	4.69	9.00
729	Blue Seal Pig Feed	Torrington: Stephen Salus Feed Store	11.10	16.25	15.00	4.83	3.00	5.09	6.00
878	Blue Seal Poultry & Turkey Fitting	Brooklyn: A. D. Pierce	8.61	13.52	12.00	2.43	2.50	3.92	6.00
8328	Blue Seal Rabbit Pellets	Braunford: S. V. Osborn, Est.	9.89	21.38	20.00	3.64	3.00	8.18	12.00
1384	Blue Seal Standard "16" Dairy Ration	Colchester: Einhorn's Grain Store	9.75	17.88	16.00	3.21	3.00	8.05	9.00
844	Blue Seal Succulent & Calving Ration	South Coventry: E. W. Latimer	10.21	14.88	12.00	3.66	2.00	12.76	16.00
8402	Blue Seal Super All Mash Egg Ration (Pellets)	Fairfield: Brookside Feed Co.	9.41	18.75	16.00	3.80	3.00	3.74	4.00
1203	Blue Seal Super All Mash Growing Ration (Pellets)	South Norwalk: The Roodner Feed Co., Inc.	9.92	18.75	16.00	3.69	3.00	3.56	4.00
881	Blue Seal Super Mash	Brooklyn: A. D. Pierce	10.80	21.44	20.00	4.34	3.50	3.67	4.00
616	Blue Seal Super Starter & Broiler	Colchester: Einhorn's Grain Store	16.58	20.19	20.00	3.98	3.00	3.11	4.00
8874	Blue Seal Test Ration	Old Mystic: James Baker	9.50	19.44	18.00	3.53	3.50	6.75	9.00
1083	Blue Seal Turkey Growing (Pellets)	Canaan: Community Service, Inc.	10.00	23.56	20.00	4.44	3.50	6.39	7.00
<b>West-Nesbitt, Inc.</b>									
<b>Ononta, New York</b>									
9263	All Pure Milk Ration	Bristol: Farmers Feed & Supply Co.	8.89	22.06	20.00	3.35	3.50	6.61	10.00
1479	Pure Feed Calf Meal	Bristol: Farmers Feed & Supply Co.	11.36	22.88	22.00	4.11	3.50	6.41	8.00
1478	Pure Feed Chick Grains	Bristol: Farmers Feed & Supply Co.	13.11	10.00	9.00	3.69	2.50	1.52	3.00
9264	Pure Feed Complete Rabbit Pellets	Bristol: Farmers Feed & Supply Co.	9.24	17.38	16.00	3.32	3.00	11.77	15.00
1472	Pure Feed Dairy Ration	Bristol: Farmers Feed & Supply Co.	10.60	21.56	20.00	<b>2.74</b>	3.50	7.51	10.00
1473	Pure Feed 16% Dairy Ration	Bristol: Farmers Feed & Supply Co.	12.11	17.31	16.00	3.73	3.50	7.86	10.00
9265	Pure Feed Dairy Test Ration	Bristol: Farmers Feed & Supply Co.	9.71	20.13	18.00	3.74	3.50	6.69	8.50
596	Pure Feed Egg & Breeder Mash	Southington: Louis Perillo Coal Co.	11.46	22.06	20.00	3.99	3.00	5.38	7.00



TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)						
			Protein (N x 6.25)		Fat		Fiber		
			Moist- ure	Guaran- teed not less than	Found	Guaran- teed not less than	Found	Guaran- teed not more than	
West-Nesbitt, Inc.—Cont. Oneonta, New York									
9266	Pure Feed Egg Maker	Bristol: Farmers Feed & Supply Co.	9.34	22.69	20.00	4.24	3.00	6.78	7.50
598	Pure Feed 14% Fitting Ration	Southington: Louis Perillo Coal Co.	10.82	15.06	14.00	3.69	3.50	6.51	8.50
597	Pure Feed Growing Mash	Southington: Louis Perillo Coal Co.	11.47	20.50	18.00	4.71	3.00	4.81	7.00
1477	Pure Feed High Energy Layer	Bristol: Farmers Feed & Supply Co.	11.57	17.75	16.00	4.79	3.00	4.61	5.00
9262	Pure Feed Horse Ration	Bristol: Farmers Feed & Supply Co.	10.62	12.31	9.00	3.06	3.00	7.88	11.00
1474	Pure Feed Sweet "20"	Bristol: Farmers Feed & Supply Co.	11.88	23.25	20.00	4.01	3.50	8.37	10.00
848	Pure Feed Swine Ration	Mansfield: G. Merritt Thompson	10.50	18.38	16.00	4.23	3.00	6.31	8.00
1476	Pure Feed Turkey Finisher (Pellets)	Bristol: Farmers Feed & Supply Co.	12.88	18.94	16.00	3.64	3.00	4.41	7.00
1475	Pure Feed Turkey Grower (Pellets)	Bristol: Farmers Feed & Supply Co.	12.14	20.38	20.00	3.73	3.00	5.87	7.00
Western Condensing Co. Appleton, Wis.									
864	Peebles M-N-C	Manchester: Central Conn. Co-Op. Farmers' Assoc., Inc.	10.01	14.25	14.00	0.84	1.00	0.15	.....
A. C. Wetherell Suffield, Conn.									
946	Special Dairy Mixture No. 3	Suffield: A. C. Wetherell	10.66	17.13	16.00	3.29	3.50	6.32	9.00

**Whitmoyer Laboratories, Inc.**  
**Myerstown, Pa.**

8437	Clo-Meal .....	Bridgeport: Brooklawn Grain & Feed Co. ....	6.71	43.75	40.00	15.35	10.00	1.36	3.75
885	Flav-A-Dee .....	Jewett City: Machnick's Grain Store .....	11.06	28.00	26.00	<b>12.59</b>	14.00	5.43	9.00
1592	Whitmoyer Quality 57% Fish Meal ...	Vernon: Farmers' Milling Co., Inc. ....	8.71	59.56	57.00	10.41	5.00	0.26	2.00

**Wilkins Rogers Milling Co., Inc.**  
**Washington, D. C.**

8810	Washington Coarse Scratch Feed .....	Hartford: D. Rudin, Inc. ....	11.54	10.38	10.00	3.17	2.50	2.38	4.00
8809	Washington Laying Mash .....	Hartford: D. Rudin, Inc. ....	9.58	21.63	20.00	4.17	3.00	5.99	8.00

**The Yantic Grain & Products Co.**  
**Norwich, Conn.**

8341	Big Y All-In-All Egg Ration .....	Union City: Naugatuck Grain Co. ....	8.31	17.00	15.00	4.00	3.00	6.42	7.00
8300	Big Y All-In-All Growing Ration .....	Mt. Carmel: Hamden Grain Co. ....	10.15	18.13	16.00	3.84	3.00	6.11	7.00
1482	Big Y Breeder Mash .....	Norwich: The Yantic Grain & Products Co. ....	11.01	21.44	20.00	3.19	3.00	5.91	7.00
956	Big Y Calf Starter & Builder .....	Torrington: Big Y Feed Co. ....	10.52	23.38	17.50	3.09	2.50	4.85	7.50
1551	Big Y Calving Ration .....	Norwich: The Yantic Grain & Products Co. ....	11.50	16.88	14.00	4.44	3.50	10.00	11.00
957	Big Y Confinement Growing Mash ...	Torrington: Big Y Feed Co. ....	10.81	18.00	15.00	4.52	3.00	4.11	5.00
8923	Big Y Dairy & Fitting Ration .....	Packer: Packer Grain Co. ....	10.36	15.50	14.00	3.90	3.50	7.30	9.00
8340	Big Y Dairy & Fitting Ration .....	Union City: Naugatuck Grain Co. ....	8.05	16.50	14.00	4.23	3.50	8.29	9.00
8302	Big Y 16% Dairy Ration .....	Mt. Carmel: Hamden Grain Co. ....	10.11	20.75	16.00	3.64	3.50	7.02	8.50
1486	Big Y 18% Dairy Ration .....	Norwich: The Yantic Grain & Products Co. ....	11.68	21.88	18.00	3.59	3.00	7.49	8.50
1104	Big Y 20% Dairy Ration .....	Willimantic: Boston Grain Co. ....	9.37	21.75	20.00	4.79	3.50	7.76	8.00
1485	Big Y Egg Maker .....	Norwich: The Yantic Grain & Products Co. ....	10.21	21.63	20.00	3.42	3.00	6.26	7.50
8860	Big Y Fattening Pellets .....	New London: Harbor Grain Co. ....	11.75	11.88	10.00	3.65	3.50	2.19	3.00
698	Big Y Fitting Ration .....	Danbury: Big Y Feed Co. ....	11.21	13.50	12.00	3.84	3.00	7.99	10.00
8917	Big Y High Efficiency Breeder Ration ..	Jewett City: Big Y Feed Co. ....	10.76	16.00	15.00	4.12	3.00	3.49	4.00
1457	Big Y High Efficiency Grower .....	Simsbury: Big Y Feed Co. ....	12.44	15.19	15.00	3.28	3.00	4.29	5.00
8301	Big Y High Efficiency Laying Mash ...	Mt. Carmel: Hamden Grain Co. ....	11.61	16.94	15.00	3.75	3.00	3.04	4.00
9039	Big Y Hi-G Dairy Ration .....	Packer: Packer Grain Co. ....	10.01	18.75	16.00	3.34	3.00	9.37	14.00
9059	Big Y Hi-G Scratch Feed .....	Abington: Abington Grain Co. ...	11.88	10.63	10.00	2.84	2.00	3.93	5.00

TABLE 1. ANALYSES OF COMMERCIAL FEEDS, INSPECTION OF 1954—Continued

Station No.	Manufacturer and brand	Retail dealer in Connecticut	Pounds per hundred (or per cent)					
			Protein (N x 6.25)		Fat		Fiber	
			Moist- ure	Found	Guaran- teed not less than	Found	Guaran- teed not less than	Found
<b>The Yantic Grain &amp; Products Co.—Cont.</b>								
<b>Norwich, Conn.</b>								
1293	Big Y Hog & Pig Ration	Putnam: Putnam Grain Co.	10.01	20.13	17.00	3.69	7.04	8.00
8908	Big Y Horse Feed	Yantic: Yantic Grain & Products Co.	11.15	10.63	9.00	3.29	6.34	9.00
1292	Big Y Improved Al-Mo	Putnam: Putnam Grain Co.	10.51	16.00	10.00	3.41	12.71	16.00
8342	Big Y Improved Broiler Finisher	Union City: Naugatuck Grain Co.	9.86	17.56	16.00	3.79	3.32	4.00
1316	Big Y Improved Complete Broiler & Starter Ration	Moosup: Moosup Grain Co.	10.09	22.56	21.00	4.19	3.89	4.00
1199	Big Y Improved Turkey Starter & Game Bird Feed	Stepney: Big Y Grain Co.	9.92	27.75	28.00	3.49	4.11	5.00
1201	Big Y Intermediate Chick Grain	Stepney: Big Y Grain Co.	11.84	12.31	10.00	4.23	3.21	5.00
8842	Big Y 20% Laying Mash	New London: Harbor Grain Co.	9.42	20.88	20.00	3.50	5.56	7.00
612	Big Y M & O Growing Feed	East Haddam: East Haddam Grain Co.	7.60	18.75	18.00	3.94	5.32	6.00
1553	Big Y M & O Laying Mash	Norwich: The Yantic Grain & Products Co.	10.49	18.50	18.00	4.71	7.00	7.00
613	Big Y Meat Pullet & Capon Ration	East Haddam: East Haddam Grain Co.	11.99	19.75	20.00	4.51	4.17	5.00
1313	Big Y Poultry Fitting Ration	Moosup: Moosup Grain Co.	11.72	13.38	10.00	3.06	4.31	8.00
1552	Big Y Progressive Growing Feed	Norwich: The Yantic Grain & Products Co.	11.57	18.25	17.00	4.20	6.72	7.00
699	Big Y Purity Dairy Ration	Danbury: Big Y Feed Co.	11.65	18.63	16.00	3.66	8.71	9.00
9070	Big Y Rabbit Pellets	Abington: Abington Grain Co.	9.90	17.44	16.00	3.35	9.66	10.00
8909	Big Y Scratch Feed	Yantic: Yantic Grain & Products Co.	12.26	10.00	9.00	2.80	3.02	5.00
1200	Big Y Sheep & Goat Feed	Stepney: Big Y Grain Co.	10.65	18.56	16.00	3.78	7.92	8.50
1314	Big Y Station Fattener Pellets	Moosup: Moosup Grain Co.	10.82	13.75	12.00	4.00	5.04	6.00

8841	Big Y Stock Feed .....	New London: Harbor Grain Co.	9.86	12.00	9.00	3.24	2.50	10.08	15.00
8918	Big Y Super Starter & Broiler Ration	Jewett City: Big Y Feed Co. ....	10.29	20.81	20.00	3.90	3.00	3.94	4.00
955	Big Y Test Cow Ration .....	Torrington: Big Y Feed Co. ....	10.28	19.88	16.00	3.13	3.00	5.66	8.50
614	Big Y Turkey Fattener (Pellets) .....	East Haddam: East Haddam Grain Co. ....	11.49	22.06	17.00	<b>3.24</b>	3.50	5.18	7.00
1103	Big Y Turkey Growing Feed .....	Willimantic: Boston Grain Co. ...	9.66	<b>18.94</b>	20.00	3.88	3.00	5.23	7.00



TABLE 2. VITAMIN D CARRIERS

Manufacturer	Brand name	Guaranteed, International Units per pound	Place, date of sampling and control number	Number of samples used	Satisfactory	Passed	Below guaranty
Astrol Products, Inc. Brooklyn, N. Y.	Dry D	15,000	Manchester, 9/27, 5965	1	1	...	...
	Dawe's Sterol-D <sup>3</sup>	681,000	Manchester, 11/16, 7186	1	1	...	...
Dawe's Laboratories, Inc. Chicago, Ill.	Flavonne Ribo-D	18,160	Middletown, 8/19, 20860, 20805, 20856, 20777, 20862; Guilford, 10/15, 22642, 22630, 22853, 22659	2	...	...	2
	Flavonne Ribo-D Special Blend No. 660	18,160	Guilford, 10/15, 1962	1	1	...	...
E. I. du Pont de Nemours & Co., Inc., Wilmington, Del.	Special Mix No. 5025	360,000	Plantsville, 9/2, 1943	1	...	...	1
	DuPont Delsterol 1500-D	681,000	Derby, 12/28, none	1	...	1	...
Eastern States Farmers' Exchange, Inc., W. Springfield, Mass.	DuPont Delsterol 3000-D	1,362,000	Norwich, 11/9, none	1	1	...	...
	Calfsaver Tablets	400 <sup>1</sup>	North Haven, 8/25, 9950-007- 102	1	1	...	...
The Fox Company Newfield, N. J.	Vitamin A & D Feeding Oil	136,000	Willimantic 9/27, FO-12523, FO-11531	1	1	...	...
	Foxco Dependable Dry D <sup>3</sup>	681,000	Seymour, 10/28, 93045	1	1	...	...
	Foxco Qualadee A & D Feeding Oil	136,200	Watertown, 8/25, 62754; Thomaston, 8/25, 61654; New Haven, 9/29, 71554; Watertown, 11/4, 82854	4	4	...	...

<sup>1</sup>U.S.P. units per gram; assayed by feeding to rats.

Gorton-Pew Fisheries Co., Ltd. Gloucester, Mass.	Gorton's Al-Blend "Junior" .....	8,000	Wallingford, 9/29, none	1	1	....	....
	Gorton's Al-Blend "Senior" .....	16,000	Canaan, 10/13, 4372, 4393, 3529, 4392, 4394 .....	1	1	....	....
Marden-Wild Corporation Somerville, Mass.	Marden's Poultry Feeding Cod Liver Oil .....	136,200	North Franklin, 8/19, 444/345 .....	1	1	....	....
	Marden's Vitamin A & D Feeding Oil .....	136,200	Derby, 12/28, 458, 351 .....	1	1	....	....
Marine Products Co. Boston, Mass.	Cod Liver Oil, Feeding Grade .....	136,200	Baltic, 9/28, 5408 .....	1	1	....	....
	Cod Liver Oil, Poultry Feeding Grade .....	136,200	Norwich, 8/19, 54-319 .....	1	1	....	....
Nopco Chemical Co. Harrison, N. J.	Nopco Custom Mix Hi-Lay Premix .....	400,000	Norwich, 8/19, None .....	1	1	....	....
	Nopdex "3000" .....	1,360,800	Norwich, 8/19, None; Nor- wich, 11/9, None .....	2	2	....	....
Silmo Chemical Corporation Vineland, N. J.	Silmo A & D Feeding Oil .....	45,400	South Coventry, 9/22, 1-6HA8	1	1	....	....
	Silmo XX Vitamin Oil .....	136,200	Shelton, 8/23, 33BA24 .....	1	1	....	....
	Vit-Ad 1500 .....	136,200	Seymour, 8/25, 236 .....	1	1	....	....
	Vit-D-150M .....	68,100,000	Manchester, 9/27, None .....	1	1	....	....
	Vit-D-1500 .....	681,000	Seymour, 8/25, 2062 .....	1	1	....	....
	Dri-Col .....	681,000	Bridgeport, 8/23, 22454; Pawcatuck, 10/19, 51254 ..	2	1	....	1
Whitmoyer Laboratories, Inc. Myerstown, Pa.	Flav-A-Dec .....	54,480	Jewett City, 9/28, None .....	1	1	....	....
	Whitcod 300D-1500A .....	136,000	Central Village, 9/28, 101253	1	1	....	....
	Whitcod Pure Cod Liver Oil U.S.P. ....	68,000	Danielson, 10/27, 22053 .....	1	1	....	....
	Whitmoyer 300-D-1500-A Quality Vitamin A & D Feeding Oil ..	136,000	Derby, 8/23, 52754 .....	1	1	....	....
The Yantic Grain & Products Co. Norwich, Conn.		136,200	Willimantic, 10/14, Lot-7 ..	1	1	....	....

TABLE 3. ANALYSES OF FEEDS CONTAINING SULFAQUINOXALINE AND ARSENICALS, 1954

No.	Manufacturer and brand	Retail dealer	Sulfaquinoxaline, per cent		Sodium arsenilate, per cent	
			Guaranteed	Found	Guaranteed	Found
980	3-Nitro-4-Hydroxyphenylarsonic Acid and Sulfaquinoxaline Mixture Incorporated in Wayne Feeds Broiler Finisher Allied Mills, Inc. Chicago, Ill.	Winsted: C. S. Roberts & Sons	0.0175	0.0143	.....	.....
438	Beacon Starter-Broiler Feed The Beacon Milling Co., Inc. Cayuga, N. Y.	Storrs: University of Connecticut	0.0175	<b>0.0120</b>	.....	.....
W.S.-430	Wirthmore Sulfaquinoxaline Mixture Incorporated in Hi-Ener-G Grower Chas. M. Cox Co. Boston, Mass.	Stepney: Wirthmore Grain & Coal Co.	0.0125	0.0125	.....	.....
W.S.-460	Same brand	Milford: Milford Grain Co.	0.0125	0.0123	.....	.....
W.S.-492	Same brand	Milford: Milford Grain Co.	0.0125	0.0104	.....	.....
W.S.-495	Same brand	Stepney: Wirthmore Grain & Coal Co.	0.0125	<b>0.0154</b>	.....	.....
W.S.-507	Same brand	Danbury: Benjamin Grain Co.	0.0125	0.0123	.....	.....
W.S.-497	Wirthmore Sulfaquinoxaline Mixture Incorporated in Poultry Mash Base	New Haven: R. G. Davis & Sons	0.100	0.092	.....	.....
W.S.-454	Same brand	Middlefield: Middlefield Grain & Coal Co.	0.100	0.099	.....	.....
W.S.-467	Same brand	Danbury: Benjamin Grain Co.	0.100	0.101	.....	.....
W.S.-491	Wirthmore Sulfaquinoxaline Mixture Incorporated in Turkey Starter	Milford: Milford Grain Co.	0.0175	0.0163	.....	.....
W.S.-515	Same brand	Ansonia: Ansonia Feed Co.	0.0175	0.0158	.....	.....
W.S.-493	Wirthmore Sulfaquinoxaline Sodium Arsanilate Mixture Incorporated in Complete Chick Starter	Milford: Milford Grain Co.	0.0175	0.0146	0.0088	0.0098
W.S.-496	Same Brand	Stepney: Wirthmore Grain & Coal Co.	0.0175	0.0157	0.0088	0.0101
W.S.-505	Same Brand	Danbury: Benjamin Grain Co.	0.0175	0.0142	0.0088	0.0083
W.S.-535	Same brand	New Haven: R. G. Davis & Sons	0.0175	0.0150	0.0088	0.0082
W.S.-540	Same brand	Branford: Osborn Grain Co.	0.0175	0.0165	0.0088	<b>0.0130</b>
W.S.-494	Wirthmore Sulfaquinoxaline Sodium Arsanilate Mixture Incorporated in Improved Hi-Ener-G Starter and Broiler	Milford: Milford Grain Co.	0.0175	0.0153	0.0088	0.0102

W.S.-497	Same brand	Stepney: Wirthmore Grain & Coal Co.	0.0175	0.0155	0.0088	0.0101
W.S.-506	Same brand	Danbury: Benjamin Grain Co.	0.0175	0.0159	0.0088	0.0074
W.S.-514	Same brand	Ansonia: Ansonia Feed Co.	0.0175	0.0143	0.0088	0.0089
W.S.-518	Same brand	Middlefield: Middlefield Grain & Coal Co.	0.0175	0.0159	0.0088	0.0087
W.S.-524	Same brand	Meriden: H. Grulich	0.0175	0.0152	0.0088	<b>0.0055</b>
W.S.-539	Same brand	Branford: Osborn Grain Co.	0.0175	0.0174	0.0088	0.0100
<b>Delaware Mills, Inc.</b>						
<b>Deposit, N. Y.</b>						
W.S.-474	Delaware Sulfaquinoxaline Coccidiosis Preventative Broiler Mash	Colchester: P. Cutler, Inc.	0.0175	0.0191	.....	.....
W.S.-476	Delaware Sulfaquinoxaline Mixture in Delaware Growing Mash	Colchester: P. Cutler, Inc.	0.0125	0.0118	.....	.....
<b>Derby Feed Store</b>						
<b>Derby, Conn.</b>						
W.S.-443	Litsky's Sulfaquinoxaline Mixture Starter and Broiler	Derby: Derby Feed Store	0.0125	0.0117	.....	.....
W.S.-488	Same brand	Derby: Derby Feed Store	0.0125	0.0148	.....	.....
<b>John W. Eshelman &amp; Sons</b>						
<b>Lancaster, Pa.</b>						
W.S.-445	Eshelman's Sulfaquinoxaline Arsonic Acid Mixture in Red Rose Hi-Lo Broiler	Meriden: Meriden Grain & Coal Co.	0.0125	<b>0.0097</b>	.....	.....
W.S.-456	Same brand	Meriden: Meriden Grain & Coal Co.	0.0150	<b>0.0100</b>	.....	.....
W.S.-447	Eshelman Sulfaquinoxaline Mixture in Red Rose Starter and Grower	Cos Cob: Belmont Feed Co.	0.0150	0.0123	.....	.....
W.S.-457	Same brand	Meriden: Meriden Grain & Coal Co.	0.0150	0.0125	.....	.....
W.S.-526	Same brand	Cos Cob: Belmont Feed Co.	0.0150	<b>0.0108</b>	.....	.....
W.S.-449	Eshelman Sulfaquinoxaline Mixture in Red Rose Turkey Starter	Cos Cob: Belmont Feed Co.	0.0175	<b>0.0230</b>	.....	.....
W.S.-450	Eshelman Sulfaquinoxaline & 3 Nitro Mixture in Red Rose Chick Starter	Cos Cob: Belmont Feed Co.	0.0150	0.0130	.....	.....
W.S.-528	Red Rose Sulfaquinoxaline Coccidiosis Control Mix	Cos Cob: Belmont Feed Co.	0.0500	<b>0.0194</b>	.....	.....
<b>Meech &amp; Stoddard, Inc.</b>						
<b>Middletown, Conn.</b>						
W.S.-452	Special Balance Sulfaquinoxaline High Efficiency Starter and Broiler	Middletown: Meech & Stoddard, Inc.	0.0175	<b>0.0237</b>	.....	.....



TABLE 3. ANALYSES OF FEEDS CONTAINING SULFAQUINOXALINE AND ARSENICALS, 1954—Concluded

No.	Manufacturer and brand	Retail dealer	Sulfaquinoxaline, per cent		Sodium arsenilate, per cent	
			Guar- anteed	Found	Guar- anteed	Found
<b>Meech &amp; Stoddard, Inc.</b> <b>Middletown, Conn.</b>						
W.S.-516	Same brand	Middletown: Meech & Stoddard, Inc.	0.0175	<b>0.0263</b>	.....	.....
W.S.-451	Special Balance Sulfaquinoxaline Starting Mash	Middletown: Meech & Stoddard, Inc.	0.0175	0.0168	.....	.....
W.S.-517	Same brand	Middletown: Meech & Stoddard, Inc.	0.0175	0.0198	.....	.....
<b>Park &amp; Pollard Co., Inc.</b> <b>Buffalo, N. Y.</b>						
W.S.-518	Park & Pollard Sulfaquinoxaline Control of Cecal Coccidiosis	Colchester: P. Cutler, Inc.	0.1000	0.0845	.....	.....
W.S.-470	Park & Pollard Sulfaquinoxaline Hi Power Broiler Ration	Waterbury: The Spencer Grain Co.	0.0175	<b>0.0241</b>	.....	.....
W.S.-530	Same brand	Waterbury: The Spencer Grain Co.	0.0175	0.0172	.....	.....
W.S.-531	Park & Pollard Sulfaquinoxaline Hi-Prime Turkey Starter	Waterbury: The Spencer Grain Co.	0.0175	<b>0.0136</b>	.....	.....
W.S.-469	Park & Pollard Sulfaquinoxaline Lay or Bust Chick Starter	Waterbury: The Spencer Grain Co.	0.0175	0.0156	.....	.....
W.S.-532	Same brand	Waterbury: The Spencer Grain Co.	0.0175	0.0148	.....	.....
W.S.-475	Park & Pollard Sulfaquinoxaline Mixture in Park & Pollard Broiler Ration	Colchester: P. Cutler, Inc.	0.0175	0.0163	.....	.....
W.S.-546	Same brand	Colchester: P. Cutler, Inc.	0.0175	0.0162	.....	.....
<b>Wolf Savitsky &amp; Sons, Inc.</b> <b>Shelton, Conn.</b>						
W.S.-442	Wolf's Sulfaquinoxaline Mixture in Hi Speed Starter and Broiler	Shelton: Wolf Savitsky & Sons, Inc.	0.0175	0.0180	.....	.....
W.S.-486	Same brand	Shelton: Wolf Savitsky & Sons, Inc.	0.0175	0.0180	.....	.....
W.S.-487	Wolf's Sulfaquinoxaline Arsanilic Acid Super "Hi-Eff" Starter and Broiler	Shelton: Wolf Savitsky & Sons, Inc.	0.0175	0.0178	0.0090*	0.0095*
<b>Watertown Co-Op. Assoc., Inc.</b> <b>Watertown, Conn.</b>						
W.S.-472	Watertown Co Op Sulfaquinoxaline Broiler Mash	Watertown: Watertown Co-Op Assoc., Inc.	0.0125	0.0105	.....	.....

\* Arsanilic acid

W.S.-533	Same brand .....	Watertown: Watertown Co-Op Assoc., Inc. ....	0.0125	0.0108	.....
W.S.-534	Watertown Co-Op Sulfaquinoxaline Starting Mash .....	Watertown: Watertown Co-Op Assoc., Inc. ....	0.0125	0.0116	.....
W.S.-473	Watertown Co-Op Sulfaquinoxaline with Aureomycin Broiler Mash .....	Watertown: Watertown Co-Op Assoc., Inc. ....	0.0125	<b>0.0098</b>	.....
W.S.-471	Watertown Co-Op Sulfaquinoxaline with Aureomycin Starting Mash .....	Watertown: Watertown Co-Op Assoc., Inc. ....	0.0125	<b>0.0099</b>	.....
<b>H. K. Webster Co.</b> Lawrence, Mass.					
W.S.-499	Blue Seal Sulfaquinoxaline Advance Broiler .....	South Norwalk: The Roodner Feed Co., Inc. ....	0.0175	0.0208	.....
W.S.-549	Same brand .....	Colchester: Einhorn's Grain Store ..	0.0175	0.0195	.....
W.S.-477	Blue Seal Sulfaquinoxaline Super Starter and Broiler .....	Colchester: Einhorn's Grain Store ..	0.0175	0.0169	.....
W.S.-500	Same brand .....	South Norwalk: The Roodner Feed Co., Inc. ....	0.0175	0.0200	.....
W.S.-550	Blue Seal Sulfaquinoxaline Treatment of Cecal and Intestinal Coccidiosis .....	Colchester: Einhorn's Grain Store ..	0.1000	<b>0.0775</b>	.....
<b>Yantic Grain &amp; Products Co.</b> Norwich, Conn.					
W.S.-464	Big Y Sulfaquinoxaline Coccidiosis Control Mix ..	Danbury: Big Y Feed Co. ....	0.100	0.095	.....
W.S.-501	Same brand .....	Stepney: Big Y Feed Store .....	0.100	0.098	.....
W.S.-509	Same brand .....	Danbury: Big Y Feed Co. ....	0.100	0.102	.....
W.S.-466	Big Y Sulfaquinoxaline Confinement Growing Mash ..	Danbury: Big Y Feed Co. ....	no guaranty	0.0166	.....
W.S.-502	Big Y Sulfaquinoxaline Hi-Efficiency Growing Mash ..	Stepney: Big Y Feed Store .....	0.0175	0.0150	.....
W.S.-436	Big Y Sulfaquinoxaline Mixture in Improved Broiler and Starter .....	Stepney: Big Y Feed Store .....	0.0175	0.0170	.....
W.S.-504	Same brand .....	Stepney: Big Y Feed Store .....	0.0175	0.0178	.....
W.S.-508	Same brand .....	Danbury: Big Y Feed Co. ....	0.0175	0.0156	.....
W.S.-435	Big Y Sulfaquinoxaline Mixture in Improved Broiler Finisher .....	Stepney: Big Y Feed Store .....	0.0125	<b>0.0167</b>	.....
W.S.-463	Big Y Sulfaquinoxaline Mixture in Improved Broiler Ration .....	Danbury: Big Y Feed Co. ....	0.0175	0.0188	.....
W.S.-433	Big Y Sulfaquinoxaline Mixture in Super Starter and Broiler .....	Stepney: Big Y Feed Store .....	0.0175	0.0163	.....

TABLE 4. ANALYSES OF FEEDS CONTAINING NITROPHENIDE AND ARSENICALS, 1954

No.	Manufacturer and brand	Retail Dealer	Nitrophenide, per cent		Arsanilic acid, per cent	
			Guar- anteed	Found	Guar- anteed	Found
The Beacon Milling Co., Inc. Cayuga, N. Y.						
W.S.-525	Beacon Nitrophenide Arsanilic Acid Starter and Broiler	Glenbrook: Frank Policastro & Sons	0.0250	0.0191	0.0090	0.0078
439	Beacon Nitrophenide Mix mixed with Beacon Starter Broiler Feed	Storrs: University of Connecticut	0.0250	0.0252	0.0090	0.0078
Chas. M. Cox Co. Boston, Mass.						
W.S.-438	Wirthmore Nitrophenide Plus 2M Broiler Feed	New Haven: R. G. Davis & Sons	0.0200	0.0190	0.0090	0.0078
W.S.-440	Wirthmore Nitrophenide Sodium Arsanilate Mixture in Plus 2M Broiler Feed	New Haven: R. G. Davis & Sons	0.0200	0.0182	0.0088*	0.0081*
Maritime Milling Co., Inc. Buffalo, N. Y.						
W.S.-461	Ma-Co Nitrophenide Arsanilic Acid Broiler Ration	Bridgeport: Savitt Grain Exchange	0.0187	0.0202	0.0100	0.0135
W.S.-490	Same brand	Bridgeport: Savitt Grain Exchange	0.0187	0.0160	0.0100	0.0090
Fred C. Morse & Son Guilford, Conn.						
W.S.-541	Old Mill Nitrophenide Growing Mash	Guilford: Fred C. Morse & Son	0.0220	0.0055	0.0100	0.0135
W.S.-545	Old Mill Nitrophenide Starting Mash	Guilford: Fred C. Morse & Son	0.0220	0.0158	0.0100	0.0090
W.S.-479	Same brand	Guilford: Fred C. Morse & Son	0.0220	0.0218	0.0100	0.0090
Ralston Purina Co. St. Louis, Mo.						
W.S.-445	Purina Nitrophenide Chick Growena	Ansonia: A. Hodos & Sons, Inc.	0.0188	0.0176	0.0100	0.0090
W.S.-444	Ralston Nitrophenide-3-Nitro-4-Hydroxyphenylarson- ic Acid MG-N Broiler Mash	Ansonia: A. Hodos & Sons, Inc.	0.0200	0.0218	0.0100	0.0090

\*Sodium arsanilate.

**Yantic Grain & Products Co.**  
**Norwich, Conn.**

W.S.-434	Big Y Nitrophenide Arsanilic Acid Mix in Improved Broiler and Starter	Stepney: Big Y Feed Store	0.0238	0.0095	0.0090
W.S.-503	Same brand	Stepney: Big Y Feed Store	0.0200	0.0095	0.0095
W.S.-465	Big Y Nitrophenide Arsanilic Acid Mix in Improved Broiler Ration	Danbury: Big Y Feed Co.	0.0240	0.0095	0.0102







